JVC

DVD/CD RECEIVER

KD-AVX33

EXAD

Detachable

R·D·S

DivX

DivX ULTRA

DVD AUDIO / VIDEO

DOLBY DIGITAL PRO LOGIC II

COMPACT disc DIGITAL VIDEO

dts Digital Surround

Bluetooth®
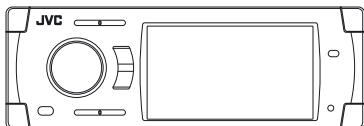
For canceling the display demonstration, see page 5.

For installation and connections, refer to the separate manual.

INSTRUCTIONS

Svenska:
Härmed intygar JVC att denna KD-AVX33 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Íslenska:
Hér með lýsir JVC yfir því að KD-AVX33 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.

Norsk:
JVC erklærer herved at utstyret KD-AVX33 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Cesky:
JVC tímto prohlašuje, že tento KD-AVX33 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Eesti:
Käesolevaga kinnitab JVC seadme KD-AVX33 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Latviski:
Ar šo JVC deklarē, ka KD-AVX33 atbilst Direktīvas 1999/5/EK būtiskājam prasībām un citiem ar to saistītajiem noteikumiem.

Lietuviu:
Šiuo JVC deklaruoja, kad šis KD-AVX33 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Magyar:
Alulírott, JVC nyilatkozom, hogy a KD-AVX33 megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.

Polski:
Niniejszym JVC oświadcza, że KD-AVX33 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.

Slovensko:
JVC izjavlja, da je ta KD-AVX33 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Slovensky:
JVC týmto vyhlasuje, že KD-AVX33 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学機器で直接見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A

This symbol is only valid in the European Union.

Information for Users on Disposal of Old Equipment

This symbol indicates that the product with this symbol should not be disposed as general household waste at its end-of-life. If you wish to dispose of this product, please do so in accordance with applicable national legislation or other rules in your country and municipality. By disposing of this product correctly, you will help to conserve natural resources and will help prevent potential negative effects on the environment and human health.

WARNINGS:
To prevent accidents and damage

• DO NOT install any unit and wire any cable in locations where;
  – it may obstruct the steering wheel and gearshift lever operations.
  – it may obstruct the operation of safety devices such as air bags.
  – it may obstruct visibility.
• DO NOT operate the unit while driving.
  If you need to operate the unit while driving, be sure to look around carefully.
• The driver must not watch the monitor while driving.
• The driver must not put on the headphones while driving.

Cautions on the monitor:

• The monitor built in this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not malfunction.
• Do not expose the monitor to direct sunlight.

• When the temperature is very cold or very hot.
  – Chemical changes occur inside, causing malfunction.
  – Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.

How to reset your unit
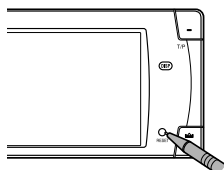
• *Your preset adjustments (except for the registered Bluetooth devices) will also be erased.*

How to forcibly eject a disc

NO EJECT?
EMERGENCY EJECT?

NO EJECT?
EMERGENCY EJECT?

ENT
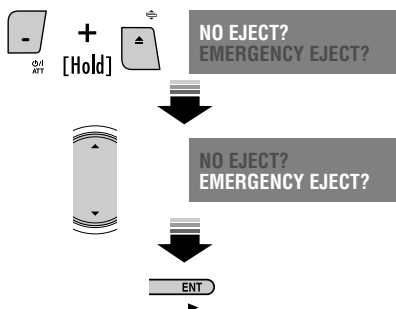
• *If this does not work, reset the unit.*

For safety...
• Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
• Stop the car before performing any complicated operations.

Temperature inside the car...
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

Contents

Playable disc type

Disc type	Recording format, file type, etc.	Playable
DVD	DVD Video (Region Code: 2)*1 [ALL] [2] [1 2] [1 2 / 3 4]	✓**OK**
	DVD Audio	
	DVD-ROM	✗**NO**
DVD Recordable/Rewritable (DVD-R*2**/-RW, +R/+RW***3**)** • DVD Video: UDF bridge • DVD-VR • DivX/MPEG1/MPEG2/JPEG/MP3/ WMA/WAV/AAC: Compliant to ISO 9660 level 1, level 2, Romeo, Joliet • DVD-RAM cannot be played.	DVD Video	✓**OK**
	DVD-VR (non-CPRM only)	
	DivX/MPEG1/MPEG2	
	JPEG	
	MP3/WMA/WAV/AAC*4	
	MPEG4	✗**NO**
	DVD+VR	
Dual Disc	DVD side	✓**OK**
	Non-DVD side	✗**NO**
CD/VCD	Audio CD/CD Text (CD-DA)/DTS-CD	✓**OK**
	VCD (Video CD)	
	CD-ROM	✗**NO**
	CD-I (CD-I Ready)	
CD Recordable/Rewritable (CD-R/-RW) • Compliant to ISO 9660 level 1, level 2, Romeo, Joliet	CD-DA	✓**OK**
	MP3/WMA/WAV/AAC*4	
	JPEG	
	DivX/MPEG1/MPEG2	
	MPEG4	✗**NO**

*1 *If you insert a DVD Video disc of an incorrect Region Code, "Region code error" appears on the monitor.*

*2 *DVD-R recorded in multi-border format is also playable (except for dual layer discs).*

*3 *It is possible to play back finalized +R/+RW (Video format only) discs. However, the use of +R double layer disc is not recommended.*

*4 *This unit can play back AAC files encoded using iTunes.*

<u>**Caution for DualDisc playback**</u>
The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

Before operating the unit

Cancel the display demonstration and set the clock. (☞ also pages 51 and 52)
• Operations are explained mainly using the buttons on the unit; however, the buttons on the remote controller can work in the same way if they have the same names or marks.

Setup menu icon

AV Menu

Setup   **ENT Enter**

Currently selected menu
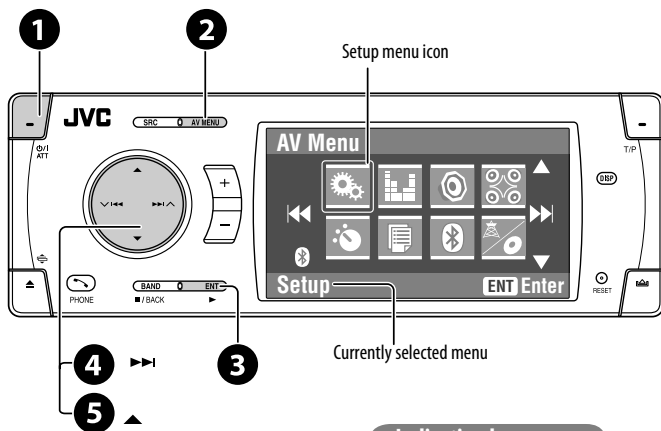
Indication language:

In this manual, English indications are used for purpose of explanation. You can select the indication language on the monitor. (☞ **page 52**)

❶ **Turn on the power.**

❷ **Display <AV Menu>.**

❸ **Enter the <Setup> menu.**

❹ **Select <Display> ➡ <Demonstration>, then activate the <Demonstration> screen.**

Setup			Display			Demonstration	
Display	▲		**Demonstration**	▲		Off	▲
Clock			Wall Paper			On	
◄◄ Disc Setup 1	►►I		◄◄ Scroll	►►I		◄◄	►►I
Disc Setup 2			Tag Display				
Tuner	▼		Dimmer	▼			▼
Demonstration			On				ENT Exit

Currently selected submenu   Current setting
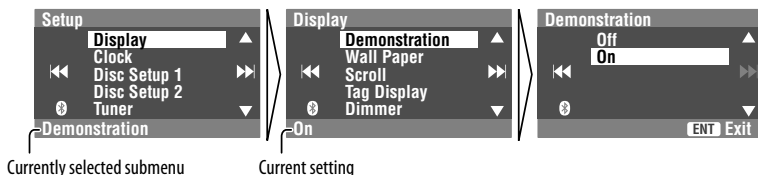
❺ **Cancel the display demonstrations.**

Select <**Off**>.
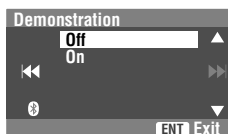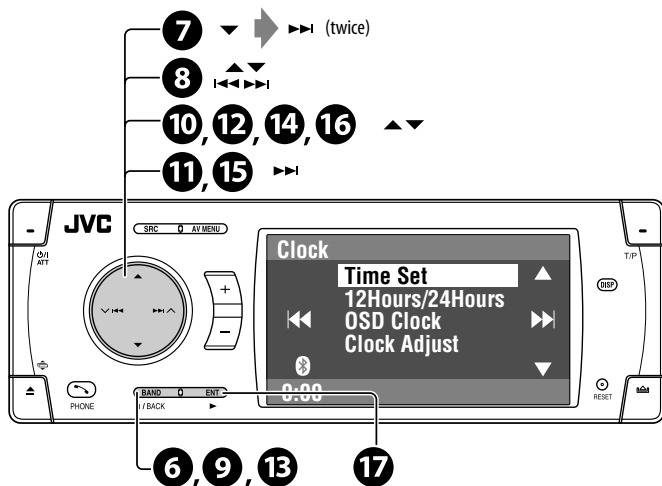
Demonstration	
Off	▲
On	
◄◄	►►I
	▼
	ENT Exit

5

INTRODUCTION

ENGLISH

7 ▼ ➡ ►►I (twice)

8 ▲▼
I◄◄ ►►I

10, **12**, **14**, **16** ▲▼

11, **15** ►►I

JVC SRC AV MENU

Clock
Time Set ▲
12Hours/24Hours
I◄◄ **OSD Clock** ►►I
Clock Adjust
▼
0:00

T/P

DISP

PHONE
BAND ENT
/ BACK ►

RESET

6, **9**, **13** **17**

❻ **Return to the <Setup> menu.**

❼ **Select <Clock> ⇨<Time Set>, then activate the <Time Set> screen.**

❽ **Set the clock time.**

Time Set
Hours
▲
I◄◄ **18 : 00** ►►I
▼
ENT Exit

Time Set
Minutes
▲
I◄◄ **18 : 35** ►►I
▼
ENT Exit
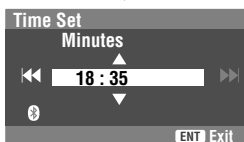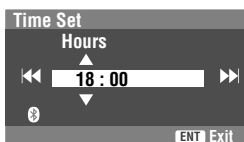
❾ **Return to the <Clock> menu.**

❿ **Select <12Hours/24Hours>.**

⓫ **Activate the <12Hours/24Hours> screen.**

⓬ **Select either the 12-hour or 24-hour system.**

12Hours/24Hours
12 Hours ▲
24 Hours
I◄◄ ►►I
▼
ENT Exit
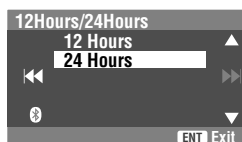
⓭ **Return to the <Clock> menu.**

⓮ **Select <Clock Adjust>.**

⓯ **Activate the <Clock Adjust> screen.**

⓰ **Select the <Clock Adjust> setting.**
- **Off:** Cancels.
- **Auto:** Activate auto clock adjustment using the clock time (CT) data from an FM RDS station.

⓱ **Finish the procedure.**

To display the clock time while playing back a video source, select <**Clock**> → <**OSD Clock**> → <**On**>.

6

Basic operations — Control panel

Select the source.

TUNER → DAB → DISC (DVD/VCD/CD) → USB → CD-CH, iPod, D.PLAYER, or **EXT-IN → Bluetooth Phone → Bluetooth Audio → AV-IN →** (back to the beginning)

• You cannot select these sources if they are not ready.

Activate TA Standby Reception.
Show PTY preset list [Hold].

• **Turn on the power.**
• **Turn off the power** [Hold].
• **Attenuate the sound (if the power is on).**

• **Display or erase <AV Menu>***1.
• **Activate Voice Dialing** [Hold].

Adjust the volume.

Change the display information.

JVC — SRC □ AV MENU

Display window

Remote sensor

Reset the unit.
• Use only when the internal system malfunctions.
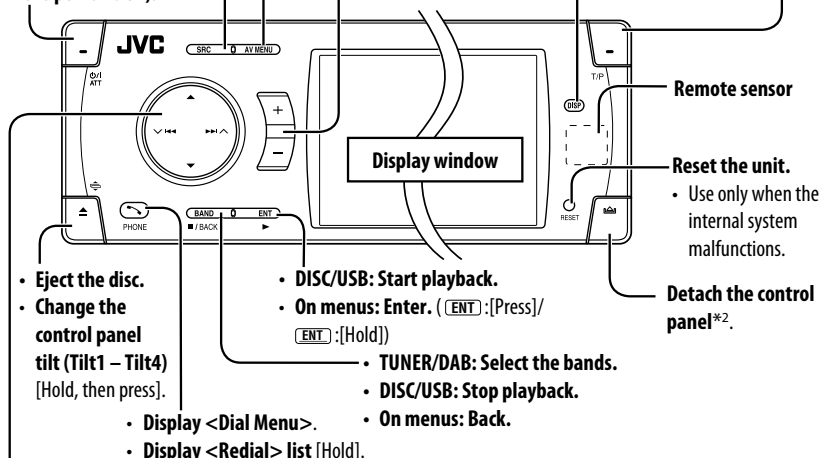
• **Eject the disc.**
• **Change the control panel tilt (Tilt1 – Tilt4)** [Hold, then press].

• **DISC/USB: Start playback.**
• **On menus: Enter.** (ENT :[Press]/ ENT :[Hold])

Detach the control panel*2.

• **Display <Dial Menu>**.
• **Display <Redial> list** [Hold].

• **TUNER/DAB: Select the bands.**
• **DISC/USB: Stop playback.**
• **On menus: Back.**

|◄◄ / ►►|
• **TUNER/DAB: Search for stations/ensembles.**
• **DISC/USB: Select chapters/tracks.**
• **On menus: Go to previous/next step.**
• **iPod/D.PLAYER: Select tracks.**
• **Bluetooth Audio: Reverse skip/forward skip.**

▲ / ▼*3
• **TUNER: Select preset stations.**
• **DAB: Select services.**
• **DISC/USB: Select titles/folders.**
• **On menus: Select items.**
• **iPod/D.PLAYER: Enter player's menu/pause or stop playback.**
• **Bluetooth: Select a device.**

*1 **<AV Menu> screens**
You can use the menus to set up various settings.
The <**AV Menu**> screen consists of the following sub-menus—**Setup/Equalizer/Sound/Disc Surround/Mode/List/Bluetooth/Dual Zone**.
• For details, see pages 50 to 59.

*2 **To attach the control panel**
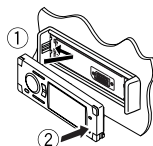
*3 By holding ▲ / ▼, you can display the list accessible for the selected source.

7

Basic operations — *Remote controller (RM-RK251)*

Installing the battery

R03/LR03/AAA
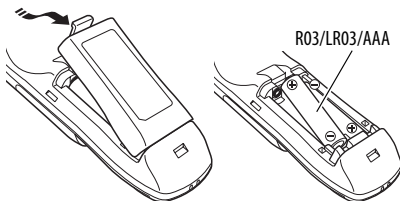
If the range or effectiveness of the remote controller decreases, replace both batteries.

Before using the remote controller:
- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).

The unit is equipped with the steering wheel remote control function.
- See the Installation/Connection Manual (separate volume) for connection.

Caution:

- Do not expose batteries to heat or flame.

IMPORTANT:
If Dual Zone is activated (☞ page 28), the remote controller functions only for operating the DVD/CD player.

Main elements and features
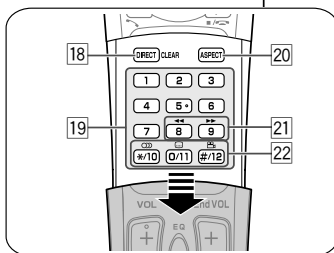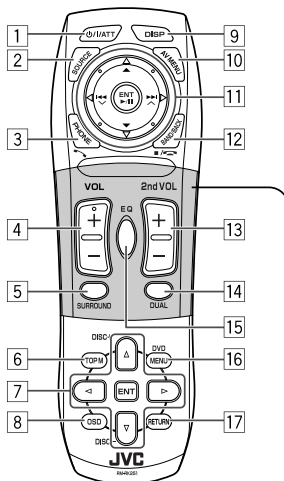
1 *1 • Turns on the power.
   • Attenuates the sound if the power is on.
   • Turns off the power if pressed and held (while the power is on).
2 *1 Selects the source.
3 *1 • Displays <**Dial Menu**>.
   • Displays <**Redial**> list if pressed and held.
   • Answers incoming calls.
4 *1*2 Adjusts the volume level.
5 *1*2 Selects surround mode.
6 • DVD/DivX 6: Shows the disc menu.
   • VCD: Resumes PBC playback (☞ page 23).
   • DVD-VR: Shows the Original Program screen.

8

7 • Makes selection/settings.
   • ◁▷: Skips back or forward by 5 minutes for DivX/MPEG1/MPEG2.
   • DISC +/− buttons: Changes discs for "CD-CH."

8 Shows the on-screen bar.

9 *1 Changes the display information.

10 Display or erase <**AV Menu**>.

11 **For disc/USB operations:**
   • ▶/Ⅱ: Plays/pauses.
   • ▲ / ▼
     DVD: Selects the title/group.
     DVD-VR: Selects the program/play list.
     USB/other discs (except VCD/CD): Selects the folders.
   • I◀◀ / ▶▶I:
   – Press briefly: reverse skip/forward skip
   – Press and hold: reverse search/forward search

   For FM/AM operations:
   • ▲ / ▼: Selects the preset stations.
   • I◀◀ / ▶▶I: Functions to search for stations.
   – Press briefly: Auto Search
   – Press and hold: Manual Search

   For DAB tuner operations:
   • ▲ / ▼: Selects a service.
   • I◀◀ / ▶▶I: Functions to search for ensembles.
   – Press briefly: Auto Search
   – Press and hold: Manual Search

   For Apple iPod/JVC D. player operations:
   • ▼: Pauses/stops or resumes playback.
   • ▲: Enters the main menu (then ▲ / ▼ / I◀◀ / ▶▶I work as the menu selecting buttons).*3
   • I◀◀ / ▶▶I (in menu selecting mode)
   – Selects an item if pressed briefly. (Then, press ▼ to confirm the selection.)
   – Skips 10 items at a time if pressed and held.

   For Bluetooth operations:
   • ▲ / ▼: Selects a registered device.
   • I◀◀ / ▶▶I: reverse skip/forward skip (for audio operation).
   • ▶/Ⅱ: Answers incoming calls (for "Bluetooth Phone").
     Plays/Pauses (for "Bluetooth Audio").

On menus:
   • ▲ / ▼: Select items.
   • I◀◀ / ▶▶I: Goes to previous/next step.

12 TUNER/DAB: Selects the bands.
   DISC/USB: Stop playback.
   Bluetooth Phone: Ends the call.
   Bluetooth Audio: Plays/pauses.
   On menus: Back.

13 *2 Adjusts the volume level through the 2nd AUDIO OUT plug. (☞ page 28)

14 *2 Activates or deactivates Dual Zone.

15 *1 *2 Selects the sound mode.

16 • DVD Video/DivX 6: Shows the disc menu.
   • VCD: Resumes PBC playback. (☞ page 23)
   • DVD-VR: Shows the Play List screen.

17 RETURN button
   • For VCD: Returns to the PBC menu.

18 DISC/USB: Switches number entry mode.
   • Also functions as CLEAR button to erase the misentry after entering the wrong number.

19 Enter numbers. (☞ pages 12, 21 to 23, 38, and 43)
   • CD changer: Selects the disc directly.
   • Tuner: Selects the preset stations.

20 *1 Changes the aspect ratio of the playback pictures.

21 Reverse search/forward search for disc/USB operations

22 • DVD Video: Selects audio language (◯◯), subtitles (◻◻), angle (▱1).
   • DVD Audio: Selects audio stream (◯◯).
   • DVD-VR: Turn on/off subtitles (◻◻) and selects audio channel(◯◯).
   • DivX: Selects audio language (◯◯), subtitles (◻◻).
   • VCD: Selects audio channel (◯◯).

*1 *If Dual Zone is activated, these buttons cannot be used.*

*2 *These buttons can be used only when the slide cover is closed.*

*3 ▲ : *Returns to the previous menu.*
   ▼ : *Confirms the selection.*

9

Listening to the radio

POWER⇒ON ❶ Band Preset No. PS (station name) for FM RDS. If no signal is coming in, "No Name" appears.

JVC SRC AV MENU

TUNER FLAT
FM1 Preset1 Pop M
Bayern Radio
87.5 MHz

☞ page 48

TP AF MO DX 15:45 RESET

❸ ❷

Tuner/Standby PTY code for FM RDS
Reception indicators
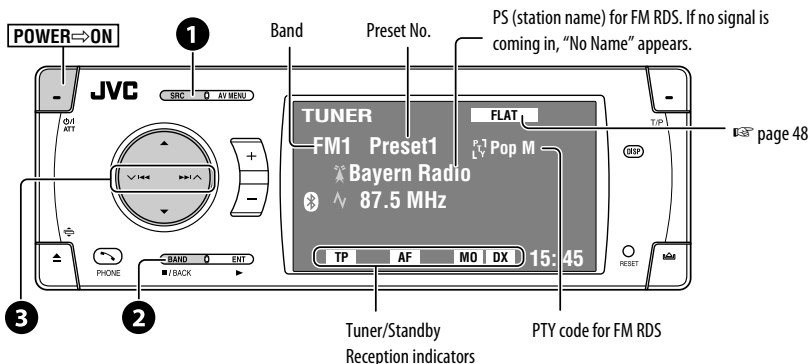
❶ **Select "TUNER."**

❷ **Select the bands.**

   → FM1 → FM2 → FM3 → AM ┐

❸ **Search for a station—Auto Search.**

- Manual Search: Hold either |◄◄ or ►►| until "Manual Search" appears on the display, then press it repeatedly.
- The ST indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.

When an FM stereo broadcast is hard to receive

1

AV MENU

AV Menu

Setup ENT Enter

2

AV Menu

Mode ENT Enter

Mode menu icon

3

Mode Mono
DX/Local
SSM
PTy Standby

Off

4

Mono Off
On

ENT
►

ENT Exit
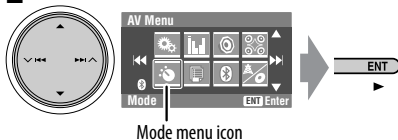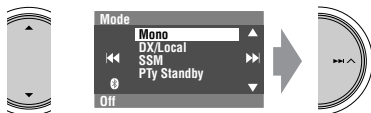
Reception improves, but stereo effect will be lost.
- The MO indicator lights up.

To restore stereo effect, select <**Off**> in step **4**.

Tuning in to stations with sufficient signal strength

This function works only for FM bands.
Once you have activated this function (selected
<**Local**>), it always works when searching for FM
stations.

1

AV MENU

AV Menu

Setup   ENT Enter

2

AV Menu

Mode   ENT Enter

Mode menu icon

3

Mode
　Mono
　DX/Local
　SSM
　PTy Standby
DX

4

DX/Local
　DX
　Local

ENT Exit
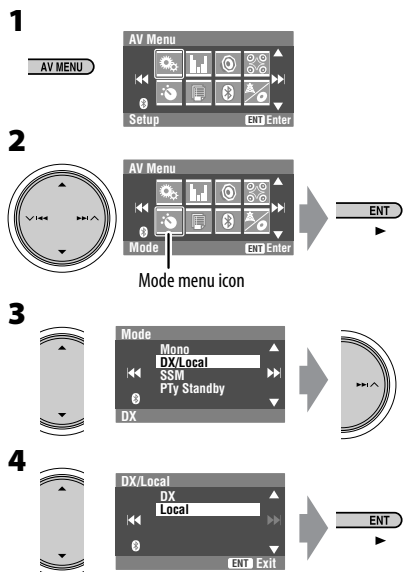
Only stations with sufficient signal strength will be
detected.

- The DX indicator goes off, then the LO indicator
  lights up.

FM station automatic presetting —SSM (Strong-station Sequential Memory)

This function works only for FM bands.
You can preset six stations for each band.

1

AV MENU

AV Menu

Setup   ENT Enter

2

AV Menu

Mode   ENT Enter

Mode menu icon

3

Mode
　Mono
　DX/Local
　SSM
　PTy Standby
　　　　　ENT Start
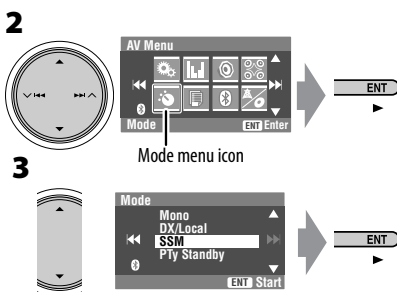
Local FM stations with the strongest signals are
searched and stored automatically in the FM band.

Manual presetting

Ex.: Storing FM station of 92.5 MHz into preset
      number 4 of the FM1 band.

1

BAND   ► FM1 → FM2 → FM3 → AM
■ / BACK

2 Tune in to a station you want to preset.

⏶ No Name
∿ 92.5 MHz

3

FM1   Store ENT
1 87.5
2 89.9
3 97.9
4 105.9
5 108.0
6 107.9   ENT

[Hold]   Preset List appears.*

4 Select a preset number.

FM1   Store ENT
1 87.5
2 89.9
3 97.9
4 105.9
5 108.0
6 107.9   ENT

5

ENT
►
[Hold]

TUNER ▲ ▲ ▲ ▲
FM1 ╳ Preset4 ╳
⏶ No Name
∿ 92.5 MHz
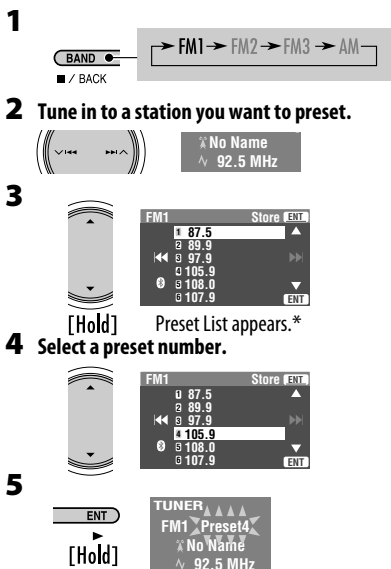
The station selected in step **2** is now stored in
preset number 4.

* Each time you hold the button, you can change
  the FM bands.
- Preset List can also be accessed through <**AV
  Menu**> → <**List**>. (☞ page 12)

11   OPERATIONS

Selecting preset stations

On the remote:

1

→ FM1 → FM2 → FM3 → AM

2

1 2 3   or
4 5 6

On the unit:

BAND
■ / BACK

or

1

BAND
■ / BACK

FM1   Store ENT
  1 87.5
  2 89.9
  3 97.9
  4 92.5
  5 108.0
  6 107.9   ENT

[Hold]

• Each time you hold the button, you can change the FM bands.

2

FM1   Store ENT
  1 87.5
  2 89.9
  3 97.9
  4 92.5
  5 108.0
  6 107.9   ENT

ENT
►

• Preset List can also be accessed through <**AV Menu**> → <**List**>.

AV MENU

AV Menu

Setup   ENT Enter

AV Menu

List   ENT Enter

List menu icon

ENT
►
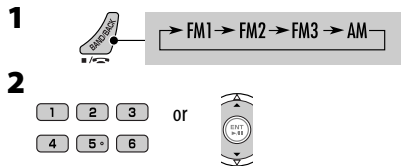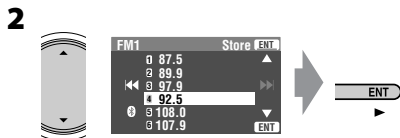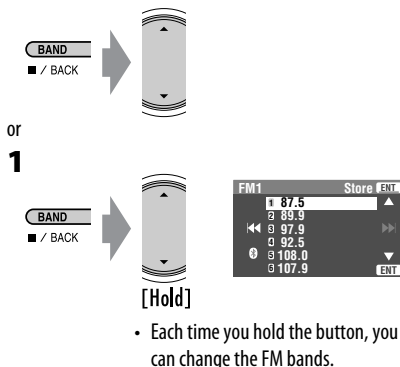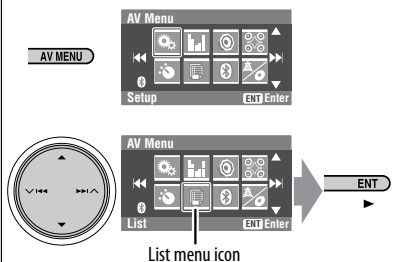
The following features are available only for FM RDS stations.

Searching for FM RDS programme—PTY Search

You can search for your favorite programmes being broadcast by selecting the PTY code for your favorite programmes.
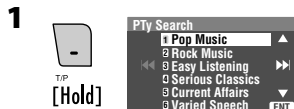
1

T/P
[Hold]

PTy Search
  1 Pop Music
  2 Rock Music
  3 Easy Listening
  4 Serious Classics
  5 Current Affairs
  6 Varied Speech   ENT

Available PTY codes appear (including six preset PTY codes).

2 Select a PTY code.

PTy Search
  Cultures
  Science
  Varied Speech
  Pop Music
  Rock Music
  Easy Listening   ENT

3

ENT
►

TUNER   FLAT
FM1   Science
      PTy Search
      XX.X MHz

      AF   DX 15: 45
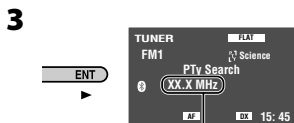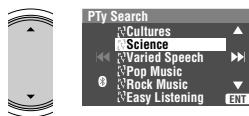
Frequency changes as search goes on.

If there is a station broadcasting a programme of the same PTY code as you have selected, that station is tuned in.

Available PTY codes:

News, Current Affairs, Information, Sport, Education, Drama, Cultures, Science, Varied Speech, Pop Music, Rock Music, Easy Listening, Light Classics M, Serious Classics, Other Music, Weather & Metr, Finance, Children's Progs, Social Affairs, Religion, Phone In, Travel & Touring, Leisure & Hobby, Jazz Music, Country Music, National Music, Oldies Music, Folk Music, Documentary

Storing your favorite programme types

You can store your favorite PTY codes into the PTY Preset List.

1

-
T/P
[Hold]

PTy Search
1 **Pop Music**
2 Rock Music
3 Easy Listening
4 Serious Classics
5 Current Affairs
6 Varied Speech   ENT
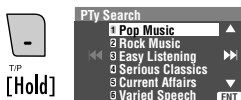
Available PTY codes appear (including six preset PTY codes).

2 Select a PTY code to store into the List.

PTy Search
Cultures
Science
Varied Speech
Pop Music
Rock Music
Easy Listening   ENT
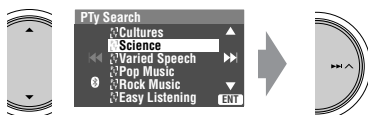
Current PTY Preset List is shown on the display.

PTy Memory
1 **Pop Music**
2 Rock Music
3 Easy Listening
4 Serious Classics
5 Current Affairs
6 Varied Speech   ENT

3 Select a listed code to be replaced with the one newly selected.

PTy Memory
1 Pop Music
2 Rock Music
3 Easy Listening
4 Serious Classics
5 **Current Affairs**
6 Varied Speech   ENT

ENT
►

Now <**Current Affairs**> is replaced with <**Science**>.

Activating/deactivating TA/PTY Standby Reception
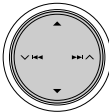
TA Standby Reception	Indicator
Press ⌐ to activate.	**TP**
The unit will temporarily switch to Traffic Announcement (TA), if available, from any source other than AM.The volume changes to the preset TA volume level if the current level is lower than the preset level (☞ page 54).	Lights up
Not yet activated. Tune in to another station providing the RDS signals.	Flashes
Press ⌐ to deactivate.	Goes off

PTY Standby Reception	Indicator
Activate <**AV Menu**>, then select <**Mode**>, <**PTy Standby**> (☞ pages 14, 57).	**PTY**
The unit will temporarily switch to your favorite PTY programme from any source other than AM.	Lights up
Not yet activated. Tune in to another station providing the RDS signals.	Flashes
To deactivate, select <**Off**> in step **4**, then press **ENT** once (☞ page 14).	Goes off

• When a DAB tuner is connected, TA Standby/PTY Standby Reception also works for the DAB tuner.

OPERATIONS
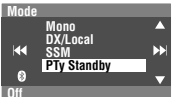
Activating PTY Standby Reception

1

AV MENU

AV Menu

Setup ENT Enter

2

AV Menu

Mode ENT Enter

Mode menu icon

ENT
►

3

Mode
Mono
DX/Local
SSM
PTy Standby
Off

►►I∧

4

PTy Standby
Off
News

►►I∧

5 Select a PTY code for PTY Standby Reception.

PTy Standby
Drama
Cultures
Science
Varied Speech
Pop Music
ENT Exit

ENT
►

Tracing the same programme— Network-Tracking Reception

When driving in an area where FM reception is not sufficient enough, this unit automatically tunes in to another FM RDS station of the same network, possibly broadcasting the same programme with stronger signals.

Programme **A** broadcasting on different frequency areas (01 – 05)
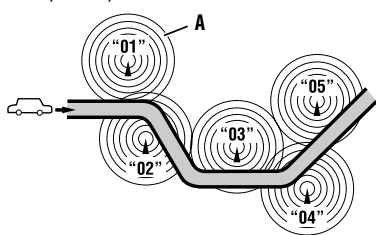
When shipped from the factory, Network-Tracking Reception is activated.

To change the Network-Tracking Reception setting, see <**AF Regional**> on page 54.

• When the DAB tuner is connected, refer also to "Tracing the same programme—Alternative Frequency Reception (DAB AF)." (☞ page 44)

Automatic station selection— Programme Search

Usually when you select preset stations, the preset station is tuned in.

If the signals from the FM RDS preset station are not sufficient for good reception, this unit, using the AF data, tunes in to another frequency broadcasting the same programme as the original preset station is broadcasting. (☞ page 54)

• The unit takes some time to tune in to another station using programme search.

Disc operations

The disc type is automatically detected, and playback starts automatically (for some discs: automatic start depends on its internal program).

If a disc does not have any disc menu, all tracks in it will be played repeatedly until you change the source or eject the disc.

> If "⊘" appears on the monitor, the unit cannot accept the operation you have tried to do.
> • In some cases, without showing "⊘," operations will not be accepted.

Insert the disc.
Playback starts automatically.

Label side
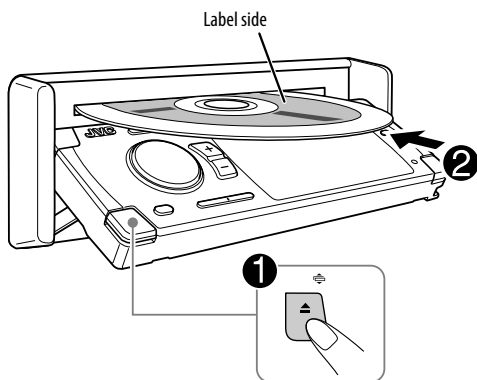
Caution:

Do not place your finger behind the control panel.

Caution on volume setting:

Discs and connected USB devices produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

DISP: Press if no playback picture appears, but disc information screen (☞ pages 16 to 18) is displayed.


```
DISC
Now Reading …
15: 45
```

►: Start playback if necessary.

■: Stop playback.

⏏: Eject the disc.

OPERATIONS
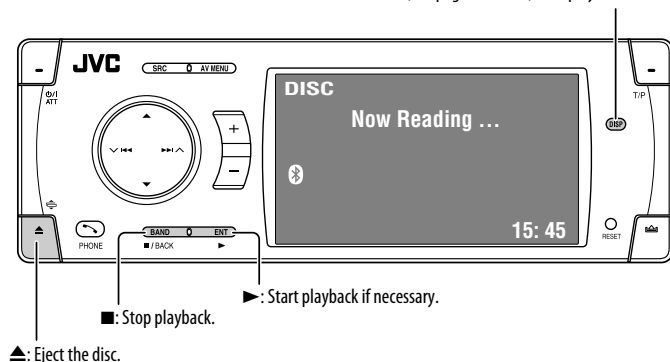
While playing the following discs, press (DISP).
• Each time you press the button, playback picture and disc information screens appear alternately.

DVD Video

Disc type   Audio format   Surround mode

JVC   SRC   AV MENU   DVD   VIDEO   DD DIGITAL   MULTI

T 01 C 02 0:45:38

CHAP. RPT   15: 45

|◄◄ ►►| *Press*: Select chapter
Hold: Reverse/forward search*¹
▲ ▼   Select title

Playback mode   Title no./Chapter no./ Playing time

DVD VR

VR-PR: Original program
VR-PL: Play List

JVC   SRC   AV MENU   DVD   VR-PR   DD DIGITAL   FLAT

P 01 C 02 0:45:38

15: 45

|◄◄ ►►| *Press*: Select chapter
Hold: Reverse/forward search*¹
▲ ▼   Select program no./Play List no.

Program no. (or Play List no.)/Chapter no./Playing time

DVD Audio

Group no./Track no./Playing time

JVC   SRC   AV MENU   DVD   AUDIO   MLP   MULTI

G 01 ♪ 02 0:45:38

BONUS
B.S.P

♪ RPT   15: 45

|◄◄ ►►| *Press*: Select track
Hold: Reverse/forward search*¹
▲ ▼   Select group

BONUS indicator
(☞ page 24)

B.S.P indicator
(☞ page 24)

16

DivX MPEG JPEG

DVD   **DivX**   **FRONT 2CH**

📁 **01** 🎵 **02 0:45:38**

📁 **Current Folder Name**
🎵 **Current File Name.avi**

📁 **RPT**   **15: 45**

⬅◀◀ ▶▶➡ *Press*: Select track
 Hold: Reverse/forward search for DivX/MPEG *²
▲ ▼ *Press*: Select folder
 Hold: Display Folder List

For DivX/MPEG: Folder no./Track no./Playing time
For JPEG: Folder no./File no.

VCD

PBC indicator
lights up when PBC is in use.

☞ page 48

VCD   **PBC**   **FLAT**

♪ **02   0:45:38**

15: 45
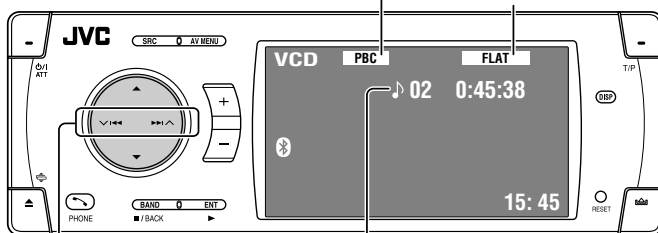
⬅◀◀ ▶▶➡ *Press*: Select track
 Hold: Reverse/forward search*¹

Track no./Playing time

*¹ *Search speed: x2 ⇨ x10.*
*² *Search speed: ▶▶1 ⇨ ▶▶2.*

CD

☞ page 48

CD   FLAT

♪ 02   0:45:38

🔖 Disc Title
🎤 Artist Name
♪ Current Track Title

♪ RPT   15: 45

I◄◄ ►►I *Press*: Select track
Hold: Reverse/forward search*[1]*

Disc title/Artist Name/Track title
(only for CD Text)*[3]*

Track no./Playing time

MP3/WMA/ WAV/AAC

Audio format
(MP3/WMA/WAV/AAC)

☞ page 48

CD   MP3   FLAT

📁 01   ♪02 0:45:38

📁 Current Folder Name
🎵 Current File Name.mp3

📁 RPT   15: 45

I◄◄ ►►I *Press*: Select track
Hold: Reverse/forward search*[1]*
▲ ▼ *Press*: Select folder
Hold: Display Folder List

Folder no./Track no./Playing time

Tag data will be shown instead of folder/file names
when they are recorded and <**Tag Display**> is set to
<**On**>. (☞ page 51)

*[1] *Search speed: x2 ⟹ x10.*
*[3] *"No Name" appears for conventional CDs.*

18

Selecting playback modes

You can use only one of the following playback modes—Intro/Repeat/Random.
Ex. To select Track Repeat

1

AV MENU

AV Menu
Setup   ENT Enter

2

AV Menu
Mode   ENT Enter
ENT ►

Mode menu icon

3

Mode
All Off
Intro
Repeat
Random
Off
ENT ►

4

Repeat
Off
Track
Folder
ENT Set
ENT ►
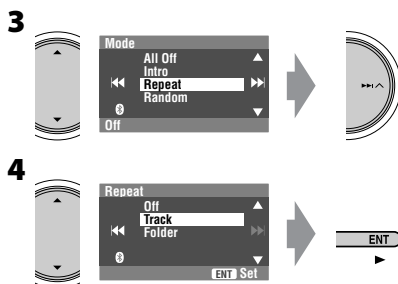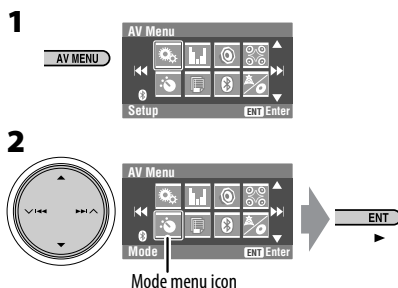
When one of the playback modes is selected, the corresponding indicator lights up on the disc information screen.

To cancel, select <**All Off**> in step **3** or <**Off**> in step **4**.

Disc type	Intro	Repeat	Random
DVD Video	—	**Chapter:** Repeats current chapter **Title:** Repeats current title	—
DVD Audio	—	**Track:** Repeats current track	—
DVD VR	—	**Chapter:** Repeats current chapter **Program:** Repeats current program (not available for Playlist playback)	—
VCD **CD**	**Track**: Plays the first 15 seconds of each track (for VCD: PBC not in use)	**Track:** Repeats current track (for VCD: PBC not in use)	**Disc (All):** Randomly plays all tracks (for VCD: PBC not in use)
MP3/WMA/ WAV/AAC	**Track:** Plays the first 15 seconds of each track **Folder:** Plays the first 15 seconds of the first track of each folder	**Track:** Repeats current track **Folder:** Repeats all tracks of the current folder	**Folder:** Randomly plays all tracks of current folder, then tracks of next folders **Disc (All):** Randomly plays all tracks
DivX **MPEG**	—	**Track**: Repeats current track **Folder**: Repeats current folder	—
JPEG	—	**Folder**: Repeats current folder	—

19   **OPERATIONS**

Selecting tracks on the list

If a disc includes folders, you can display the Folder/ Track (File) Lists, then start playback.

1

Folder List
- My Best
- Cinema
- Pops
- My Best2
- Favorite Song
- Cinema2
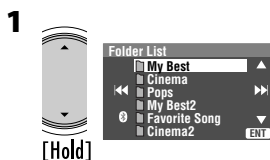
[Hold]

Folder List appears.
- Hold the button to see the next/previous folders.

2 Select a folder, then activate the Track List.

Folder List
- My Best
- Cinema
- Pops
- My Best2
- Favorite Song
- Cinema2

Track List of the selected folder appears.

3 Select a track, and start playing.

File List
- Song011.mp3
- Song012.mp3
- Song013.mp3
- Song014.mp3
- Song015.mp3
- Song016.mp3

- Folder List can also be accessed through <**AV Menu**> → <**List**>.

AV MENU

AV Menu

Setup   ENT Enter

AV Menu

List   ENT Enter

List menu icon
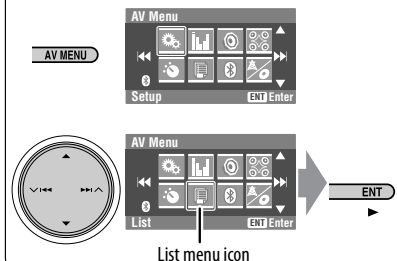
Prohibiting disc ejection

You can lock a disc in the loading slot.

- + [Hold]

ENT

NO EJECT?
EMERGENCY EJECT?

"No Eject" appears.
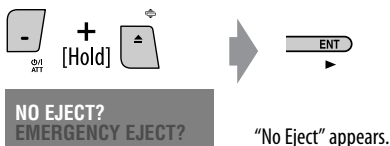
To cancel the prohibition, repeat the same procedure to select "EJECT OK?".

Operations using the remote controller—RM-RK251

DVD
Video

■/⌂ :		Stop playback.
ENT ►■ :		Start playback/Pause (if pressed during playback).
◄◄ 8 ►► 9 :		Reverse/forward search.*2 (No sound can be heard.) (Slow motion*3 during pause. No sound can be heard.)
◄◄ ENT ►► :		*Press*: Select chapter (during playback or pause). *Hold*: Reverse/forward search.*4
ENT ►■ :		Select title (during playback or pause).

DIRECT CLEAR → 0/11 ... 9 → ENT ►■ :
Select chapter.
Select title (when not playing).

DIRECT CLEAR (twice) → 0/11 ... 9 → ENT ►■ :
Select title (during playback or pause).

ASPECT :	Select aspect ratio.
*/10 :	Select audio language.
0/11 :	Select subtitle language.
#/12 :	Select view angle.

Using menu driven features

1 TOP M / DVD MENU
2 Select an item you want to start playback.
△ ▽ ◁ ▷
3 ENT

*1 *Erases the misentry of the number.*
*2 *Search speed: x2 ⟹ x5 ⟹ x10 ⟹ x20 ⟹ x60*
*3 *Slow motion speed: 1/32 ⟹ 1/16 ⟹ 1/8 ⟹ 1/4 ⟹ 1/2*
*4 *Search speed: x2 ⟹ x10*

DVD
Audio

■/⌂ :		Stop playback.
ENT ►■ :		Start playback/Pause (if pressed during playback).
◄◄ 8 ►► 9 :		Reverse/forward search.*2
◄◄ ENT ►► :		*Press*: Select track. *Hold*: Reverse/forward search.*4
ENT ►■ :		Select group.

DIRECT CLEAR → 0/11 ... 9 → ENT ►■ :
Select track.

DIRECT CLEAR (twice) → 0/11 ... 9 → ENT ►■ :
Select group.

ASPECT :	Select aspect ratio.
*/10 :	Select audio stream.

Using menu driven features

1 TOP M
2 Select an item you want to start playback.
△ ▽ ◁ ▷
3 ENT

21

OPERATIONS

DivX MPEG

: Stop playback.

ENT ►▌▌ : Start playback/Pause (if pressed during playback).

8 9 : Reverse/forward search*2. (No sound can be heard.)

◄◄ ENT ►►►▌ : *Press*: Select track.
Hold: Reverse/forward search*3. (No sound can be heard.)

ENT : Select folder.

DIRECT CLEAR → 0/11 ... 9 → ENT ►▌▌ :
Select track (within the same folder).

DIRECT CLEAR (twice) → 0/11 ... 9 → ENT ►▌▌ :
Select folder.

ASPECT : Select aspect ratio.

*/10 : Select audio language. (DivX only)

0/11 : Select subtitle language. (DivX only)

For DivX6: Using menu driven features

1 TOPM DVD MENU

2 Select an item you want to start playback.

Δ ∇ ◄ ►

3 ENT

While playing...
Back/advance the scenes by 5 minutes.

◄ ►

Current playback position

0'00"   5'00"   10'00"   15'00"   20'00"   24'00"
2nd press   1st press   3rd press
           1st press   2nd press

: Stop playback.

ENT ►▌▌ : Start playback/Pause (if pressed during playback).

8 9 : Reverse/forward search*4. (No sound can be heard.)
(Slow motion*5 during pause. No sound can be heard.)
Reverse slow motion does not work.

◄◄ ENT ►►►▌ : *Press*: Select chapter (during playback or pause).
Hold: Reverse/forward search*6

ENT : Select program.
Select play list (during playback or pause).

ASPECT : Select aspect ratio.

DVD VR

*/10 : Select audio channel (ST: stereo, L: left, R: Right).

0/11 : Turn on/off subtitle.

DIRECT CLEAR → 0/11 ... 9 → ENT ►▌▌ :
Select chapter.
Select program (when not playing).

DIRECT CLEAR (twice) → 0/11 ... 9 → ENT ►▌▌ :
Select program/play list (during playback or pause).

Using Original Program/Play List screens
(☞ page 30)
1 For Original Programs: TOPM
   For Play List: DVD MENU
2 Select an item you want to start playback.

Δ ∇

3 ENT (Hide screen)

22

JPEG

🔲 /◄► : Stop playback.

(ENT ►■) : Start playback. (Slide show: each file is shown for a few seconds.)
Shows the current file until you change it if pressed during Slide show.

(◄◄ (ENT ►■) ►►) : Select track.

(▲ ENT ►■ ▼) : Select folder.

ASPECT : Select aspect ratio.

DIRECT CLEAR → 0/11 ... 9 → (ENT ►■) :
Select track (within the same folder).

DIRECT CLEAR (twice) → 0/11 ... 9 → (ENT ►■) :
Select folder.

MP3/WMA/ WAV/AAC

🔲 /◄► : Stop playback.

(ENT ►■) : Start playback/Pause (if pressed during playback).

8 9 : Reverse/forward search*4.

(◄◄ (ENT ►■) ►►) : Press: Select track.
Hold: Reverse/forward search*6.

(▲ ENT ►■ ▼) : Select folder.

DIRECT CLEAR → 0/11 ... 9 → (ENT ►■) :
Select track (within the same folder).

DIRECT CLEAR (twice) → 0/11 ... 9 → (ENT ►■) :
Select folder.

🔲 /◄► : Stop playback.

(ENT ►■) : Start playback/Pause (if pressed during playback).

8 9 : Reverse/forward search*4.
(Forward slow motion*5 during pause. No sound can be heard.)
Reverse slow motion does not work.

(◄◄ (ENT ►■) ►►) : Press: Select track.
Hold: Reverse/forward search*6 (No sound can be heard.)

ASPECT : Select aspect ratio.

*/10 : Select audio channel (ST: stereo, L: left, R: Right).

VCD

DIRECT CLEAR → 0/11 ... 9 → (ENT ►■) :
Select track.

During PBC playback...

DIRECT CLEAR → 0/11 ... 9 → (ENT ►■) :
Select an item on the menu.
To return to the previous menu, press RETURN .

To cancel PBC playback

1 🔲 /◄►

2 Start the desired track.
DIRECT CLEAR → 0/11 ... 9 → (ENT ►■)

• To resume PBC, press TOPM / MENU(DVD).

CD

🔲 /◄► : Stop playback.

(ENT ►■) : Start playback/Pause (if pressed during playback).

8 9 : Reverse/forward search*4.

(◄◄ (ENT ►■) ►►) : Press: Select track.
Hold: Reverse/forward search*6.

DIRECT CLEAR → 0/11 ... 9 → (ENT ►■) : Select track.

*1 *Erases the misentry of the number.*
*2 *Search speed:* ►► 1 ⇨ ►► 2 ⇨ ►► 3
*3 *Search speed:* ►► 1 ⇨ ►► 2
*4 *Search speed: x2 ⇨ x5 ⇨ x10 ⇨ x20 ⇨ x60*
*5 *Slow motion speed: 1/32 ⇨ 1/16 ⇨ 1/8 ⇨ 1/4 ⇨ 1/2*
*6 *Search speed: x2 ⇨ x10*

OPERATIONS

Playing back a bonus group

DVD Audio

If a DVD Audio including a "bonus group" is detected, the BONUS indicator lights up on the disc information screen.

To play a bonus group...

1 Select the bonus group.
  - The bonus group is usually recorded as the last group.

2 Enter the key number.

| ◁ | ▷ | : | Move the entry position |
| △ | ▽ | : | Select a number |

[ENT]

  - "key number" (a kind of password) for the bonus group is not open to public. The way of getting the key number depends on the disc.

3 Follow the interactive instructions shown on the monitor.

Selecting browsable still picture

DVD Audio

When a disc including browsable still pictures is detected, the B.S.P indicator lights up on the disc information screen.

When disc shows the BSP selecting icons such as ◁ or ▷ on the screen...

1 Select an item you want to display.

△ ▽ ◁ ▷

2 [ENT]

Enjoying surround sounds ▬

You can enjoy multi-channel surround playback through the front, center, surround speakers.

- **After connecting the center speaker, make sure to activate the center speaker; otherwise, no sound comes out of the center speaker** (☞ page 53).
- All surround mode can also be used for "USB."

MULTI: For multi-channel encoded sources such as Dolby Digital*[1], DTS*[2], and DVD Audio. (When activated, "MULTI" is shown on the disc information screen.)

Dolby Pro Logic II (Movie/Music): For 2 channel sources except for DivX/MPEG 1/MPEG2 discs.
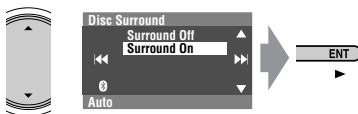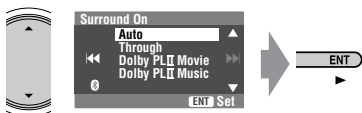
To turn on the surround

1

[AV MENU]

AV Menu

Setup   [ENT] Enter

2

Disc Surround menu icon

AV Menu

Disc Surround   [ENT] Enter

[ENT] ►

3

Disc Surround
  Surround Off
  Surround On

Auto

[ENT] ►

  - **Surround Off:** Deactivates surround.
  - **Surround On:** Activates surround → go to the following steps.

4


```
Surround On
  Auto            ▲
  Through
|◄◄  Dolby PLⅡ Movie  ►►|
     Dolby PLⅡ Music
  ⓑ               ▼
          ENT Set
```
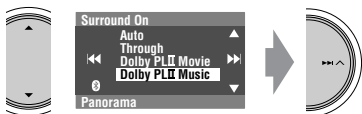
➡ ENT ►

- **Auto:** When multi-channel digital signals come in, "MULTI" surround is activated.
  When 2-channel or 2.1-channel signals come in, "4CH STEREO" is activated.
- **Through:** All incoming channel signals are sent to the corresponding speakers.
- **Dolby PLⅡ Movie:** Activates Dolby Pro Logic Ⅱ Movie.
- **Dolby PLⅡ Music:** Activates Dolby Pro Logic Ⅱ Music. You can adjust <**Panorama**> and <**Center Width**> settings. (☞ below)
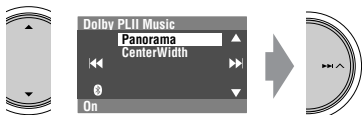

To change the <Dolby PLⅡ Music> setting

in step 4 above...

1


```
Surround On
  Auto            ▲
  Through
|◄◄  Dolby PLⅡ Movie  ►►|
     Dolby PLⅡ Music
  ⓑ               ▼
Panorama
```

2


```
Dolby PLII Music
  Panorama        ▲
  CenterWidth
|◄◄               ►►|
  ⓑ               ▼
On
```

- **Panorama:** Select <**On**> to add wraparound sound effect.
- **Center Width:** Adjust the center image so it may be heard only from the center speaker, only form the left/right front speaker as a "phantom" center image, or various combination of these speakers. As the number increases, the "phantom" effect becomes stronger (normally select <**4**>).

3

ENT ►

On the remote controller:

SURROUND

→ Auto → Through ─┐
└ Dolby PLⅡ Music ← Dolby PLⅡ Movie ◄┘
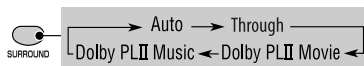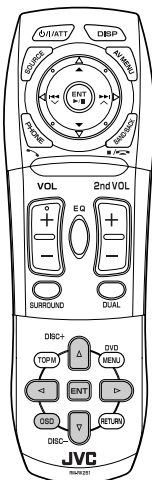
- You cannot change the <**Dolby PL Ⅱ Music**> settings using the remote controller.

*1 *Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.*
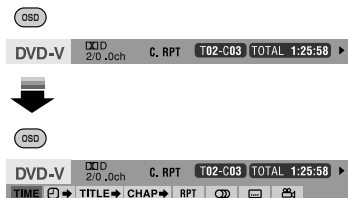*2 *"DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.*

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OPERATIONS

Operations using the on-screen bar (DVD/VCD/DivX/MPEG1/MPEG2/JPEG)

These operations are possible on the monitor using the remote controller.

1 **Display the on-screen bar.** (☞ page 27)

```
(OSD)
```

DVD-V 2/0 .0ch C. RPT T02-C03 TOTAL 1:25:58 ▶

```
(OSD)
```

DVD-V 2/0 .0ch C. RPT T02-C03 TOTAL 1:25:58 ▶
TIME ⏱ ➡ TITLE➡ CHAP➡ RPT ⏤ ➤₁

2 **Select an item.**

◁ ▷ ENT

3 **Make a selection.**
If a pop-up menu appears...

△ ▽ ENT

• For entering time/numbers...

◁ ▷ : Move the entry position

△ ▽ ENT : Select a number

To remove the on-screen bar

(OSD)

On-screen bar
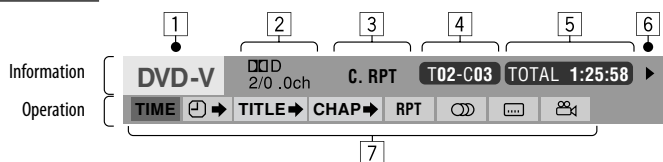
Above example is of DVD Video. Items shown on the bar vary due to the disc type.

	1	2	3	4	5	6
Information	**DVD-V**	DD D 2/0 .0ch	C. RPT	T02-C03	TOTAL 1:25:58	▶
Operation	TIME ⊕➡	TITLE➡ CHAP➡ RPT	○○	……	♙	

7

1 Disc type

2 • DVD: Audio signal format
  • VCD: PBC

3 Playback mode*1
  DVD Video:
    T. RPT: Title repeat
    C. RPT: Chapter repeat
  DVD Audio:
    T. RPT: Track repeat
  DVD-VR:
    C. RPT: Chapter repeat
    PG. RPT: Program repeat
  DivX/MPEG:
    T. RPT: Track repeat
    F. RPT: Folder repeat
  JPEG:
    F. RPT: Folder repeat
  VCD:
    T. INT: Track intro
    T. RPT: Track repeat
    A. RND: All random

4 Playback information
  T02-C03   Current title/chapter
  G02-T03   Current group/track
  PG-001
  C-002   Current program/chapter

  PL-003
  C-004   Current playlist/chapter
  TRACK 01   Current track
  F001-T001   Current folder/track
  F002-F002   Current folder/file (JPEG)

5 Time indication
  TOTAL   Elapsed playing time of the disc
  T. REM   Remaining title time (for DVD)
            Remaining disc time (for others)
  TIME   Elapsed playing time of the current
            chapter/track*2
  REM   Remaining time of the current
            chapter/track*2

6 Playback status
  ▶   Play
  ◀◀/▶▶   Reverse/forward search
  ◀Ӏ/Ӏ▶   Reverse/forward slow-motion
  ❙❙   Pause
  ■   Stop

7 Operation icons
  TIME   Change time indication (see 5)
  ⊕➡   Time Search (Specify a certain scene
            by entering time.)
  TITLE➡   Title Search (by its number)
  CHAP➡   Chapter Search (by its number)
  GROUP➡   Group Search (by its number)
  TRACK➡   Track Search (by its number)
  RPT   Repeat play*1
  INT   Intro play*1
  RND   Random play*1
  ○○   Change the audio language, audio
            channel or audio stream
  ……   Change the subtitle language
  ♙   Change the view angle
  PAGE   Change the browsable still pictures
            (pages)

*1 ☞ page 19
*2 Not applicable for DVD-VR.

27   OPERATIONS

Dual Zone operations

You can enjoy a disc playback on the external monitor connected to the VIDEO OUT and 2nd AUDIO OUT plugs, while listening to any other source than "USB" through the speakers.

• When Dual Zone is in use, you can only operate the DVD/CD player using the remote controller.
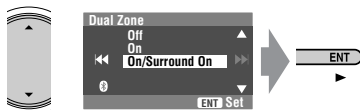
1

AV MENU

AV Menu

Setup   ENT Enter

2

AV Menu

Dual Zone   E Enter   ENT ►

Dual Zone menu icon

3

Dual Zone
Off
On
On/Surround On
ENT Set   ENT ►

• **Off:** Deactivates Dual Zone.
• **On (DUAL):** Activates Dual Zone without applying Headphone Surround*1.
• **On/Surround On (DUAL-S):** Activates Dual Zone and applies Headphone Surround.

When Dual Zone is activated, the main source is changed to "DISC."

DVD VIDEO DⓄDIGITAL FLAT DUAL S — *2
T 01 C 02   0:45:38
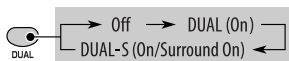
Ex. When "On/Surround On" is selected.

To select a different source (main source) to listen through the speakers:
Press **SRC** (source) on the control panel.

• **By using the buttons on the control panel,** you can operate the newly selected source without affecting Dual Zone (DISC) operations.
• **You cannot select "USB" for the main source.**

On the remote controller:

1

DUAL   → Off → DUAL (On)
DUAL-S (On/Surround On) ◄

2 Adjust the volume through the 2nd AUDIO OUT plug.

2nd VOL
+
−

3 Operate the DVD/CD player.

*1 JVC original headphone virtual surround system. This surround will also work for the main source "DISC" if "On/Surround On" is selected as the sub-source. This surround does not work for DivX/MPEG1/MPEG2 discs.
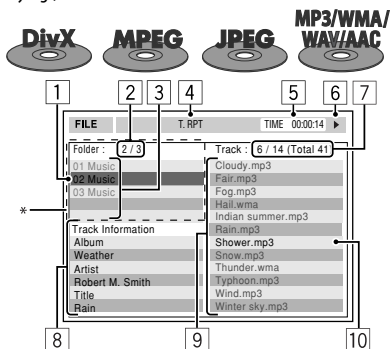*2 Displayed being shaded if Headphone Surround is not applied.

Operations using the control screen

For discs except DVD and VCD:
While Dual Zone is on, these operations are possible on the external monitor using the remote controller.
The control screen automatically appears when you insert a disc. (For DivX/MPEG1/MPEG2/JPEG; while not playing.)

DivX   **MPEG**   **JPEG**   **MP3/WMA/ WAV/AAC**

1   2 3 4   5   6 7

FILE   T. RPT   TIME 00:00:14 ►

Folder : 2 / 3   Track : 6 / 14 (Total 41)
01 Music   Cloudy.mp3
02 Music   Fair.mp3
03 Music   Fog.mp3
                       Hail.wma
*   Indian summer.mp3
Track Information   Rain.mp3
Album   Shower.mp3
Weather   Snow.mp3
Artist   Thunder.wma
Robert M. Smith   Typhoon.mp3
Title   Wind.mp3
Rain   Winter sky.mp3

8   9   10

Ex.: MP3/WMA

28

1 Current folder (highlighted bar)

2 Current folder number/total folder number

3 Folder list

* *If tag data includes "Jacket Picture" (baseline JPEG), it will be displayed. If you press OSD, the playback mode selection window appears. (☞ below)*

4 Selected playback mode (☞ below)

5 Elapsed playing time of the current track (not displayed for JPEG)

6 Operation status

7 Current track number/total number of tracks in the current folder (total number of tracks on the disc)

8 Track information (only for MP3/WMA/WAV/AAC)

9 Track list

10 Current track (highlighted)

To select a folder or track

1 Select "Folder" column or "Track" column on the control screen.

◁ ▷

2 Select a folder or track.
   • If necessary, press **ENT** to start playback.

△ ▽
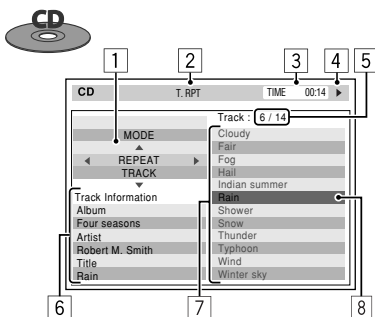
Ex.: CD Text

1 Playback mode selection window: appears when **OSD** is pressed (☞ below).

2 Selected playback mode (☞ below)

3 Elapsed playing time of the current track

4 Operation status

5 Current track number/total number of tracks on the disc

6 Track information

7 Track list

8 Current track (highlighted bar)

To select a track

• If necessary, press **ENT** to start playback.

Selecting playback modes

You can also change the playback modes using the playback mode selection window.
• For CD/MP3/WMA/WAV/AAC: Intro/Repeat/ Random
• For DivX/MPEG1/MPEG2/JPEG: Repeat

1 OSD

2 Only for CD/MP3/WMA/WAV: Select a playback mode.

◁ ▷

3 Select your desired option.

△ ▽

4 ENT

Selected playback mode

DivX/MPEG1/MPEG2/JPEG: ☞ page 27
MP3/WMA/WAV/AAC:
   T. INT: Track intro
   F. INT: Folder intro
   T. RPT: Track repeat
   F. RPT: Folder repeat
   F. RND: Folder random
   A. RND: All random
CD:
   T. INT: Track intro
   T. RPT: Track repeat
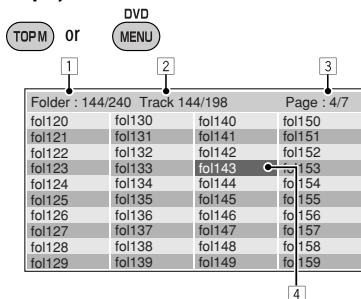   A. RND: All random

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Operations using the list screen

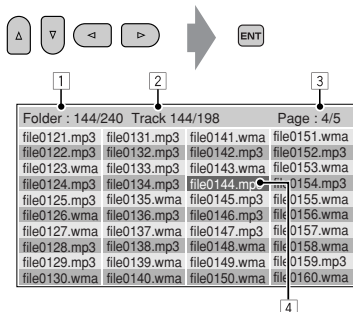## For discs except DVD, VCD, and CD

While Dual Zone is on, these operations are possible on the external monitor using the remote controller.

While not playing...

1 Display the list screen.

(TOP M) or (MENU) DVD

```
1          2                    3
Folder : 144/240  Track 144/198      Page : 4/7
fol120    fol130    fol140    fol150
fol121    fol131    fol141    fol151
fol122    fol132    fol142    fol152
fol123    fol133    fol143    fol153
fol124    fol134    fol144    fo154
fol125    fol135    fol145    fo155
fol126    fol136    fol146    fo156
fol127    fol137    fol147    fo157
fol128    fol138    fol148    fo158
fol129    fol139    fol149    fo159
                                 4
```

2 Select a folder on the list.

(Δ)(∇)(◁)(▷) (ENT)

```
1              2                    3
Folder : 144/240  Track 144/198      Page : 4/5
file0121.mp3  file0131.mp3  file0141.wma  file0151.wma
file0122.mp3  file0132.mp3  file0142.mp3  file0152.mp3
file0123.wma  file0133.mp3  file0143.wma  file0153.mp3
file0124.mp3  file0134.mp3  file0144.mp3  file0154.mp3
file0125.mp3  file0135.mp3  file0145.mp3  file0155.mp3
file0126.wma  file0136.mp3  file0146.mp3  file0156.mp3
file0127.wma  file0137.mp3  file0147.mp3  file0157.mp3
file0128.mp3  file0138.mp3  file0148.wma  file0158.wma
file0129.mp3  file0139.wma  file0149.mp3  file0159.mp3
file0130.wma  file0140.wma  file0150.wma  file0160.wma
                                       4
```

3 Select a track on the list.

(Δ)(∇)(◁)(▷) (ENT)

- To go back to the folder list, press (RETURN).

1 Current folder number/total folder number
2 Current track number/total number of tracks in the current folder
3 Current page/total number of the pages included in the list
4 Current folder/track (highlighted bar)

List screen for DVD-VR

You can use Original Program and Play List screen anytime while playing DVD-VR with its data recorded.

- These screens can be displayed on the built-in monitor and the external monitor.

1 Display the Original Program/Play List screen.

(TOP M)

```
ORIGINAL PROGRAM
No  Date      Ch   Time    Title
 1  25/04/07  4ch  19:00   JVC DVD World 2004
 2  17/05/07  8ch  10:30
 3  22/05/07  8ch  17:00   Music Festival
 4  26/05/07  L-1  13:19   children 001
 5  20/06/07  4ch  22:00
 6  25/06/07  L-1   8:23   children 002
   1    2    3    4          5               6
```

(MENU) DVD

```
PLAY LIST
No  Date      Chap  Length   Title
 1  25/05/07  001   1:03:16  My JVC World
 2  17/06/07  005   1:35:25
 3  20/06/07  003   0:10:23  Favorite music
 4  25/06/07  001   0:07:19  children001-002
   1    7    8     9         5               6
```
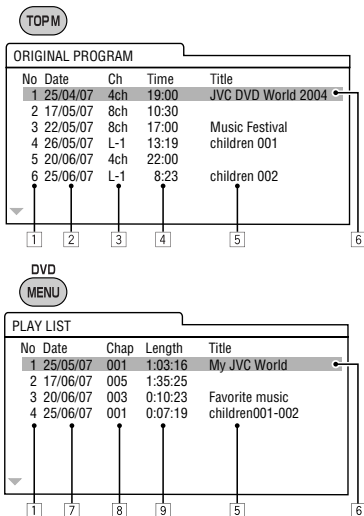
2 Select an item you want.

(Δ)(∇) (ENT)

1 Program/Play list number
2 Recording date
3 Recording source (TV station, the input terminal of the recording equipment, etc.)
4 Start time of recording
5 Title of the program/play list*
6 Highlighted bar (current selection)
7 Creating date of play lists
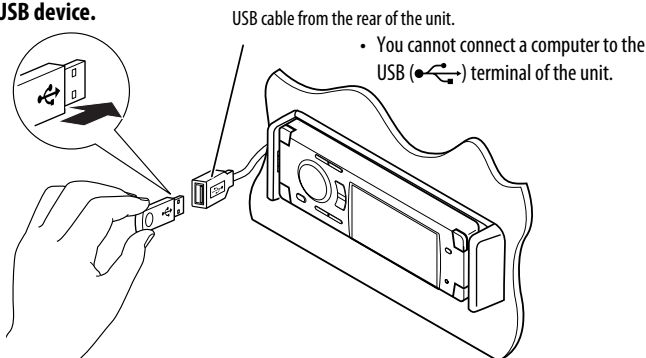8 Total number of chapters
9 Playback time
* The title of the original program or play list may not be displayed depending on the recording equipment.

USB operations

You can connect a USB mass storage class device such as a USB memory, Digital Audio player*¹, portable HDD, etc. to the unit.

➊ **Connect a USB device.**

USB cable from the rear of the unit.

• You cannot connect a computer to the USB (●⟵⟶) terminal of the unit.

➋ **Select "USB".** SRC

⏮⏭ *Press*: Select track
Hold: Reverse/forward search

▲ ▼ *Press*: Select folder
Hold: Display Folder List

DISP: Press if no playback picture appears , but disc information screen (☞ pages 16 to 18) is displayed.

USB

Now Reading …

15: 45

∎: Stop playback ▶: Start playback if necessary.
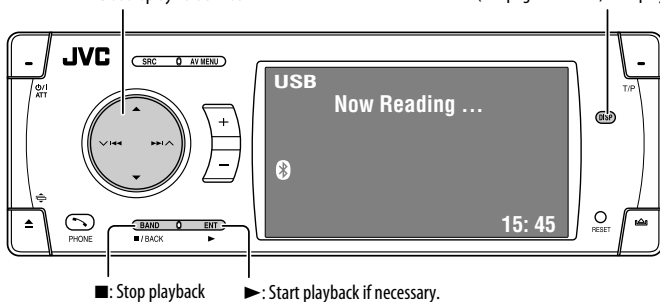
This unit can play DivX/JPEG/MPEG1/MPEG2*²/MP3/ WMA/WAV/AAC*³ files stored in a USB mass storage class device.

• You can operate the USB device in the same way you operate the files on discs. (☞ page 19 to 27)
• You cannot select "USB"when Dual Zone is in use.
• All tracks in the USB device will be played repeatedly until you change the source.

*¹ *Except for JVC D. Player XA-HD500.*
*² *Except for MPEG2 files recorded by JVC Everio camcorder (extension code <.mod>).*
*³ *This unit can play back AAC files encoded using iTunes. This unit cannot play back AAC files purchased from the iTunes Store.*

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Caution:

- Avoid using the USB device if it might hinder your safety driving.
- Do not pull out and attach the USB device repeatedly while "Now Reading..." is flashing on the monitor.
- Do not start the car engine if a USB device is connected.
- Stop play back before disconnecting a USB device.
- Make sure all important data has been backed up to avoid losing the data.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature to avoid deformation or cause damages to the device.

Selecting playback modes

You can use only one of the following playback modes—Intro/Repeat/Random.
Ex. To select Track Repeat

1

2

Mode menu icon

3

4

When one of the playback modes is selected, the corresponding indicator lights up on the information screen.
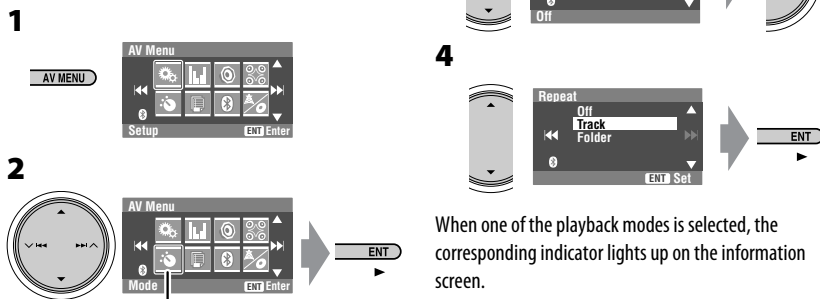
To cancel, select <**All Off**> in step **3** or <**Off**> in step **4**.

File type	Intro	Repeat	Random
MP3/WMA/ WAV/AAC	**Track**: Plays the first 15 seconds of each track **Folder**: Plays the first 15 seconds of the first track of each folder	**Track**: Repeats current track **Folder**: Repeats all tracks of the current folder	**Folder**: Randomly plays all tracks of current folder, then tracks of next folders **USB (All)**: Randomly plays all tracks
DivX MPEG	—	**Track**: Repeats current track **Folder**: Repeats current folder	—
JPEG	—	**Folder**: Repeats current folder	—

Bluetooth® operations — *Cellular phone/audio player*

Bluetooth®

Bluetooth is a short-range wireless radio communication technology for the mobile device such as mobile phones, portable PCs, and other devices. The bluetooth devices can be connected without cables and communicate each other.
• The serial number is printed on the label placed on the bottom of the unit.
• Refer to the list (included in the box) to see the countries where you may use the Bluetooth® function.

Bluetooth profile

This unit supports the following Bluetooth profiles;
    HSP (Headset Profile)
    HFP (Hands-Free Profile)
    A2DP (Advanced Audio Distribution Profile)
    AVRCP (Audio/Video Remote Control Profile)
    SPP (Serial Port Profile)
    OPP (Object Push Profile)

Features

You can operate Bluetooth devices through the unit as follows:
• Receiving a call
• Making a call—from phone book, from call history (Redial/Missed Call/Received Call), by dialing number, by preset numbers, by voice command
• Receiving the SMS (Short Message Service)
• Play back a Bluetooth audio player

Refer also to the instructions supplied with the Bluetooth device.

• The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Victor Company of Japan, Limited (JVC) is under license. Other trademarks and trade names are those of their respective owners.

Connecting a Bluetooth device for the first time

Pairing and PIN Code

When you connect a Bluetooth device to the unit for the first time, make pairing between the unit and the device. Pairing allows Bluetooth devices to communicate each other.
To make pairing, you may need to enter the PIN (Personal Identification Number) code of your Bluetooth device you want to connect.

• Once the connection is established, it is registered in the unit even if you reset the unit. Up to five devices can be registered in total.
• Only one device can be connected at a time for each source ("Bluetooth Phone" and "Bluetooth Audio").
• To use the Bluetooth function, you need to turn on Bluetooth function of the device.

Preparation: Operate the device to turn on its Bluetooth function.

Registration (Pairing) methods

Use either of the following items in the <**Bluetooth**> menu to register and establish the connection with a device.
• Select "Bluetooth Phone" or "Bluetooth Audio" as the source to operate the <**Bluetooth**> menu.

<**Open**>	Make the unit ready to establish a new Bluetooth connection. Connection is established by operating the Bluetooth device.
<**Search**>	Make the unit ready to establish a new Bluetooth connection. Connection is established by operating the unit.

33

OPERATIONS

Registering using <Open>

1 **Select "Bluetooth Phone" or "Bluetooth Audio."**
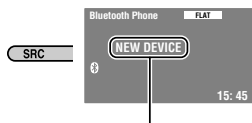
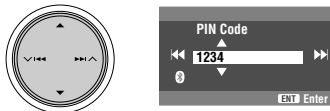Select "NEW DEVICE" by pressing ▲ / ▼.

2

3
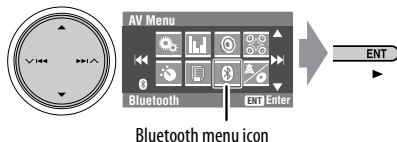
Bluetooth menu icon

4
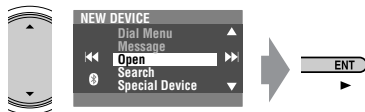
5 **Enter a PIN (Personal Identification Number)* code to the unit.**
   • You can enter any number you like (1-digit to 16-digit number).
   * Some devices have their own PIN code. Enter the specified PIN code to the unit.

   • To delete an unwanted digit, select blank space.

6

Open...

7 **Operate the target Bluetooth device.** (While "Open..." is flashing on the screen.)
Enter the same PIN code (as entered in the above step) on the device to be connected.

Connected

Now connection is established and you can use the device through the unit.

The device remains registered even after you disconnect the device. Use <**Connect**> (or activate <**Auto Connect**>) to connect the same device from next time. (☞ pages 58 and 59)

Searching for available devices

Perform steps **1** to **3** on the left, then...

1

Searching...

The unit searches for available devices and displays the list of them. (If no available device is detected, "Device Unfound" appears.)

2 **Select a device you want to connect.**
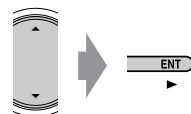
3 **Enter the specific PIN code of the device to the unit.**
   • Refer to the instructions supplied with the device to check the PIN code.

Connecting...

4 **Use the Bluetooth device to connect.**

Connected

Now connection is established and you can use the device through the unit.

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Connecting a special device

Perform steps **1** to **3** of "Registering using <**Open**>" on page 34, then...

1

```
NEW DEVICE
    Dial Menu          ▲
    Message
⏮   Open               ⏭          ENT
    Search                         ►
⑧   Special Device     ▼
```

The unit displays the list of the preset devices.

2 **Select a device you want to connect.**

```
             ENT
             ►
```
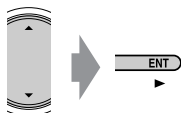
3 **Use <Open> (or <Search>) to connect.**

Connecting/disconnecting a registered device

1 **Select "Bluetooth Phone" or "Bluetooth Audio," then select a registered device you want to connect/disconnect.**

```
SRC
```
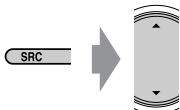
2 **Perform steps 2 and 3 of "Registering using <Open>" on page 34, then...**
- Select <**Connect**> to connect the selected device.
- Select <**Disconnect**> to disconnect the selected device.

```
             ENT
             ►
```
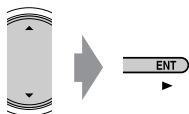
You can set the unit to connect a Bluetooth device automatically when the unit is turned on. (☞ page 59)

Deleting a registered device

1 **Select "Bluetooth Phone" or "Bluetooth Audio," then select a registered device you want to delete.**

```
SRC
```

2 **Perform steps 2 and 3 of "Registering using <Open>" on page 34, then...**
- Select <**Delete Pair**>, then <**Yes**>.

```
             ENT
             ►
```
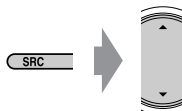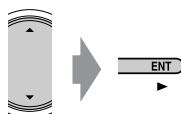
Using the Bluetooth cellular phone

POWER⇨ON ❶ ❷

Adjust the volume*1

Turns Blue when the Bluetooth device is connected.

Bluetooth Phone FLAT

☞ page 48

📧 **Connected Device Name**

Connected device name*3

*4

15: 45
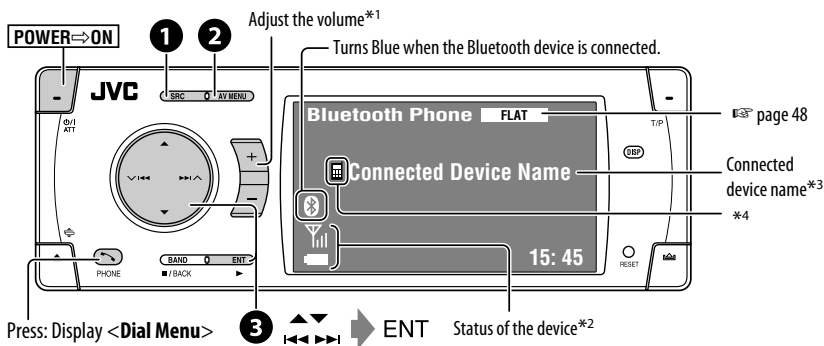
Press: Display <**Dial Menu**>
Answers incoming call
Hold: Display <**Redial**> list

❸ ▲▼ |◀◀ ▶▶| ➡ ENT

Status of the device*2
Signal strength/Battery remainder

❶ **Select "Bluetooth Phone."**

❷ **Enter the <Bluetooth> menu.**

❸ **Establish the connection with a device, then make a call (or settings using the <Bluetooth> menu).**
☞ pages 34, 50, 58, and 59

When the sound is stopped or interrupted during the use of a Bluetooth device, try the following remedies.
- Turn off, then turn on the unit.
- (When the sound is not yet restored,) connect the device again. (☞ "Connecting/disconnecting a registered device" on page 35)

*1 *You can adjust the volume level for "Bluetooth Phone" without affecting the volume level for other sources.*
*2 *Appears only when the information comes from the device.*
*3 *Each time you press ▲ ▼, the registered device name (and "NEW DEVICE" when a new device can be registered) appear in turn.*
*4 *When a cellular phone with audio function is connected, 📱 appears.*

You can adjust the microphone volume level. (☞ page 59)

When a call comes in...

Receiving Call
Jack
09845671234
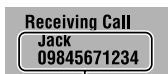
Name and phone number (if acquired)

The source is automatically changed to "Bluetooth Phone."
When <Auto Answer> is activated...
The unit answers the incoming calls automatically. (☞ page 59)
- When <**Auto Answer**> is deactivated, press any button (except ⏻/ ATT or +/−) to answer the incoming call.

To end the call or reject an incoming call
Hold any button (except ⏻/ ATT or +/−).

Answering a waiting call
If your cellular phone is equipped with the call waiting function, you can put the current call on hold and answer the waiting call.
Press any button (except ⏻/ ATT and +/−).
- To restore the on-hold call, press any button (except ⏻/ ATT and +/−) again.
- When you end one call, you can connect to the other.

When an SMS comes in...

If the cellular phone is compatible with SMS (Short Message Service) and <**Message Info**> is set to <**Auto**> (☞ page 59), the unit rings and "Receiving Message" appears on the monitor to inform you of the arrival of the message.
• You cannot edit or send a message through the unit.

When <Message Info> is set to <Auto>...
To read the message
While "Receiving Message" is displayed...

> ENT
> ►

• The source is changed to "Bluetooth Phone."

To read the message later

> BAND
> ■ / BACK

• The message is stored into <**Message**> → <**Unread**>. (☞ page 58)

When <Message Info> is set to <Manual>
Access the message list to read a message. (☞ page 58)

Making a call

1 Display the <Dial Menu>.

PHONE

P902i
Redial
Received Calls
Phonebook
Missed Calls
Phone number
Annie

2 Select the method to make a call.

P902i
Redial
Received Calls
Phonebook
Missed Calls
Phone number
Annie
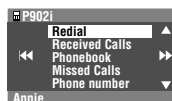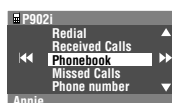
• **Redial*** : Shows the list of the phone numbers you have dialed → go to the following step.
• **Received Calls*** : Shows the list of the received calls → go to the following step.
• **Phonebook*** : Shows the phone book of the connected cellular phone → go to the following step.
• **Missed Calls*** : Shows the list of the missed calls → go to the following step.
• **Phone Number** : Shows the phone number entry screen → "How to enter phone number" on the next page.
• **Voice Dialing** (Only when the connected cellular phone has the voice recognition system): Speak the name you want to call.

* **Displays only when your cellular phone is equipped with these functions.**
– If not displayed, please try to transfer the phone book memory of the cellular phone to this unit. (Refer to the instruction manual supplied with your cellular phone.)
– With some cellular phones, the phone book memory is transferred automatically.

3 Select the name/phone number you want to call.

ENT ► or PHONE

37   OPERATIONS

How to enter phone number

On the remote:

`0/11` ... `9`
`*/10` `#/12`   ➙ PHONE
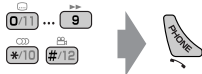
On the unit:

1

Select a number.   Move the entry position.

• To delete an unwanted digit, select blank space.

2

`ENT` or PHONE   Dialling …
►   **Jack**
            09845671234
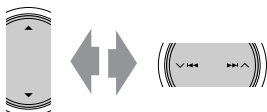
<**Dial Menu**> can be also accessed through <**AV Menu**> ➙ <**Bluetooth**> ➙ <**Dial Menu**>.

AV MENU

AV Menu
Setup   ENT Enter

AV Menu
Bluetooth   ENT Enter   ➙ ENT
                              ►
Bluetooth menu icon
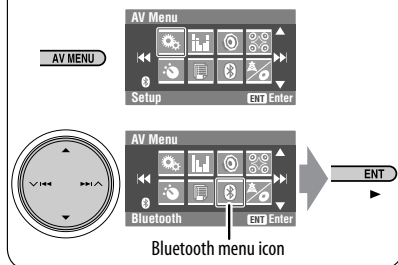
Direct operations to redial / Voice Dialing

You can use the following functions regardless of the current source.

To redial

PHONE
[Hold]   ➙   ➙ ENT
                         ►
                         or
                         PHONE
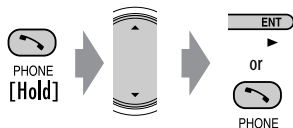
To activate Voice Dialing

You can make a call by your voice.

AV MENU   Speak the name you want to call.
[Hold]
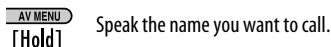
Presetting the phone numbers ■

You can preset up to six phone numbers.

1 Display the phone number you want to preset by using one of <Dial Menu> items.

Jack   ENT Store
 12312341234
 09898765432
 09845671234
          ENT Dial   ➙ ENT
                         ►
                         [Hold]

Ex.: "**Jack**" is selected from the phone book

Preset Memory list appears.

Preset Memory
1 11122223333
2 22233336666
3 44455556666
4 11133334444
5 99988887777
6 55566668888   ENT

2 Select a preset number.

Preset Memory
1 11122223333
2 22233336666
3 44455556666
4 11133334444
5 99988887777
6 55566668888   ENT   ➙ ENT
                              ►
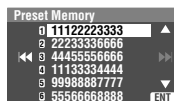
The phone number selected in step **1** is now stored in preset number 4.

To call a preset number ▬▬▬▬

On the remote:
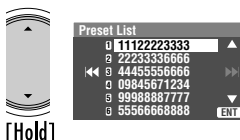
`1` `2` `3`
`4` `5°` `6`

On the unit:

1

[Hold]   Preset List
1 11122223333
2 22233336666
3 44455556666
4 09845671234
5 99988887777
6 55566668888   ENT

2

Preset List
1 11122223333
2 22233336666
3 44455556666
4 09845671234
5 99988887777
6 55566668888   ENT   ➙ ENT
                              ►

38

- Preset List can also be accessed through <**AV Menu**> → <**List**>.

AV Menu

Setup **ENT** Enter

AV Menu

List **ENT** Enter

List menu icon
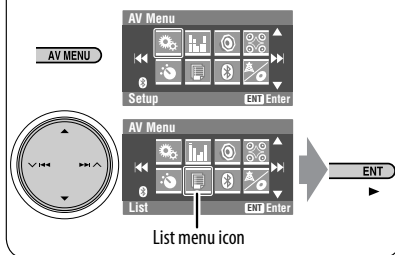
You can use the following buttons on the remote controller for the Bluetooth phone operations. For details, ☞ pages 8 and 9.

VOL

Using the Bluetooth audio player

Reverse/forward skip

POWER⇨ON

Turns Blue when the Bluetooth device is connected.

*1

JVC SRC AV MENU

Bluetooth Audio **FLAT** T/P ☞ page 48

*3

♪ Connected Device Name

*4

15: 45 RESET

Pause

Status of the device*2
Signal strength/Battery remainder
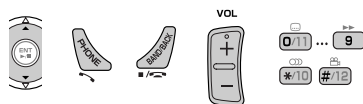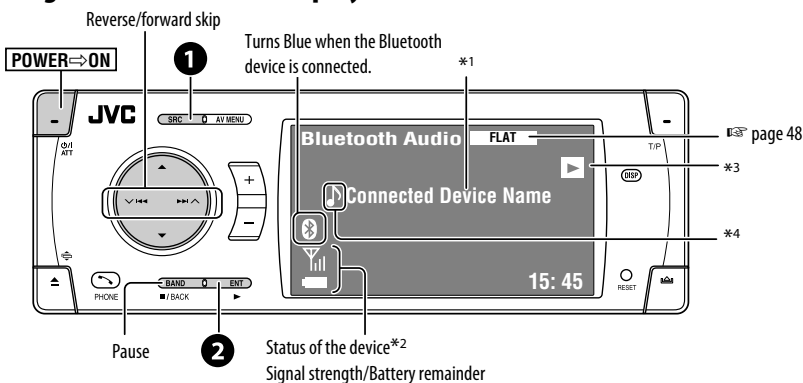
❶ **Select "Bluetooth Audio."**

❷ **Start playback.**

- See pages 33 to 35 for connecting a new device.
- See page 35 for connecting/disconnecting a registered device.
- See page 35 for deleting a registered device.

When the sound is stopped or interrupted during the use of a Bluetooth device, try the following remedies.

- Turn off, then turn on the unit.
- (When the sound is not yet restored,) connect the device again. (☞ "Connecting/disconnecting a registered device" on page 35)

Bluetooth Information:
If you wish to receive more information about Bluetooth, visit our JVC web site.

*1 *Each time you press ▲ ▼, the registered device names (and "NEW DEVICE" when a new device can be registered) appear in turn. You cannot select "New Device" when a Bluetooth audio player is connected.*

*2 *Appears only when the information comes from the device.*

*3 *Indicates the button pressed. It may be different from the operation status.*

*4 *When a cellular phone with audio function is connected, ▯ appears.*

You can use the following buttons on the remote controller for the Bluetooth audio operations. For details, ☞ pages 8 and 9

VOL

39 **OPERATIONS**

Listening to the CD changer

POWER⇒ON

1 **2**, **3**

Disc no./Track no./Playing time

JVC   SRC ● AV MENU

CD-CH   FLAT

● 01 ♪01 0:02:38

●Disc Title
♪Artist Name
♪Current Track Title

13: 45

PHONE   BAND ● ENT
■/BACK   ▶

RESET

"No Name" appears for conventional CDs
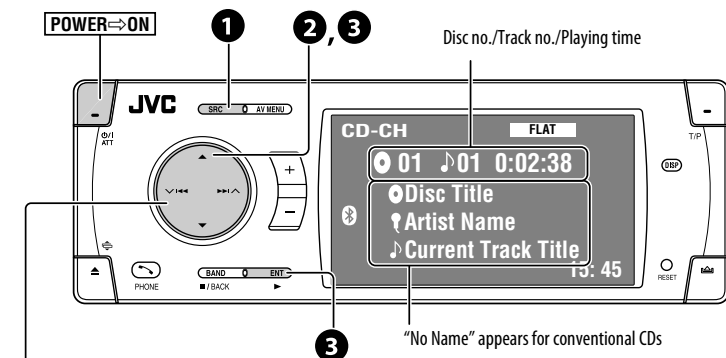
|◀◀ ▶▶| *Press*: Select track
Hold: Reverse/forward search

▲ ▼ *Press*: Select folder (MP3 only)
Hold: Display Disc List

It is recommended to use a JVC MP3-compatible CD changer with your unit.
• You can play only CDs (CD-DA) and MP3 discs.

Preparation:
Make sure <**Changer**> is selected for the external input setting. (☞ page 55)

❶ **Select "CD-CH."**

❷ **Display the Disc List.**

Disc List
●MP3 DISC
●DISC 02
|◀◀ ●DISC 03 ▶▶|
●DISC 04
🔵 ●DISC 05
●DISC 06 ENT
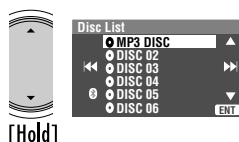
[Hold]

• Each time you hold the button, you can display the other list of the remaining discs.

❸ **Select a disc to start playing.**

Disc List
●MP3 DISC
●DISC 02
|◀◀ ●DISC 03
●DISC 04
🔵 ●DISC 05
●DISC 06 ENT

ENT
▶
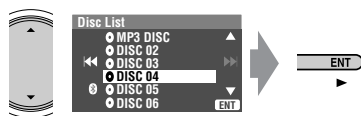
• While playing an MP3 disc, you can select and start playing a track in the disc using the Lists: Disc List (select the current disc) ➜ Folder List ➜ File List, then start playing a track you want.
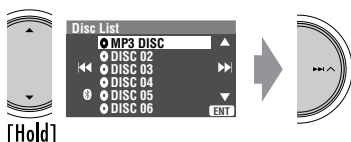
Disc List
●MP3 DISC
●DISC 02
|◀◀ ●DISC 03 ▶▶|
●DISC 04
🔵 ●DISC 05
●DISC 06 ENT

[Hold]

Folder List
■My Best
■Cinema
|◀◀ ■Pops ▶▶|
■My Best2
🔵 ■Favorite Song
■Cinema2 ENT

File List
♪Song011.mp3
♪Song012.mp3
|◀◀ ♪Song013.mp3
♪Song014.mp3
🔵 ♪Song015.mp3
♪Song016.mp3 ENT

ENT
▶

40

Selecting playback modes

You can use only one of the following playback modes—Intro/Repeat/Random.
Ex. To select Track Repeat

1

AV MENU

AV Menu

Setup | **ENT** Enter

2

AV Menu

Mode | **ENT** Enter

Mode menu icon

3

Mode
All Off
Intro
Repeat
Random
Off

4

Repeat
Off
Track
Disc

ENT Set
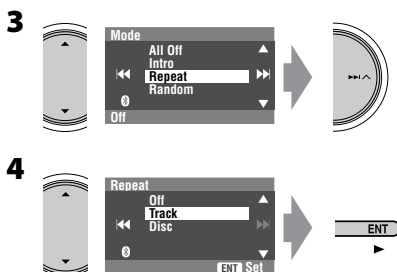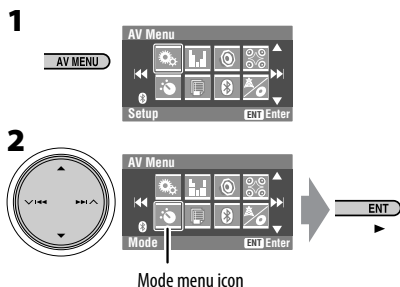
When one of the playback modes is selected, the corresponding indicator lights up on the monitor.

To cancel, select <**All Off**> in step **3** or <**Off**> in step **4**.

ENGLISH

Disc type	Intro	Repeat	Random
CD	**Track:** Plays the first 15 seconds of each track **Disc:** Plays the first 15 seconds of the first track of all loaded discs	**Track:** Repeats current track **Disc:** Repeats all tracks of the current disc	**Disc:** Randomly plays all tracks of the current disc **All:** Randomly plays all tracks of all loaded discs
MP3	**Track:** Plays the first 15 seconds of each track **Folder:** Plays the first 15 seconds of the first track of each folder **Disc:** Plays the first 15 seconds of the first track of all loaded discs	**Track:** Repeats current track **Folder:** Repeats all tracks of the current folder **Disc:** Repeats all tracks of the current disc	**Folder:** Randomly plays all tracks of current folder, then tracks of next folders **Disc:** Randomly plays all tracks of the current disc **All:** Randomly plays all tracks of all loaded discs

To use <**Mode**> menu	☞ above.
To use <**List**> menu	☞ page 40. Disc List → Folder List → File List

You can use the following buttons on the remote controller to operate the CD changer.

DISC+ △ DISC– ▽ or ①…⑫ : Select disc.

Press: Select folder (MP3 only).

Press: Select track
Hold: Reverse/forward search

EXTERNAL DEVICES

Listening to the DAB tuner

Preset No.

Band

TEXT indicator

POWER⇨ON

1

JVC

SRC | AV MENU

DAB   **TEXT**   **FLAT**

☞ page 48

T/P

DAB1 Preset1 🎵 **News**

DISP

🎵**Bayern**

🎵🎵**Bayern2**

DRC   **AF** **ANN**   **15: 45**

RESET

PHONE   BAND | ENT
■ / BACK   ►

3 |◄◄ ►►| **2**

Service label
/Frequency,
channel

DAB indicators/Standby
Reception indicators

PTY code

Ensemble label*

4 ▲ ▼
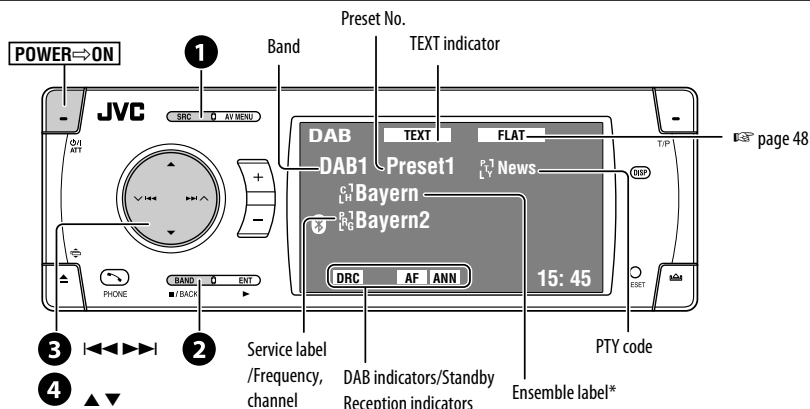
❶ **Select "DAB."**

❷ **Select the bands.**

┌─► DAB1 → DAB2 → DAB3 ─┐

* *Information changes when you press DISP. While tuning in a service with DLS (Dynamic Label Segment), the TEXT indicator lights up.*

❸ **Searching for an ensemble.**

• Manual Search: Hold either |◄◄ or ►►| until "Manual Search" appears on the display, then press it repeatedly.

❹ **Select a service (either primary or secondary) to listen to.**

When surrounding sounds are noisy

Some services provide Dynamic Range Control (DRC) signals together with their regular programme signals. DRC will reinforce the low level sounds to improve your listening.

• The DRC indicator will light up while tuning in a service with the DRC signals.

1

AV MENU

AV Menu

Setup   **ENT Enter**

2

AV Menu

Mode   **ENT Enter**

ENT
►

Mode menu icon

3

Mode

D. Range Control
Announce Standby
Pty Standby

Off

►|/∧

4

D. Range Control

Off
DRC1
DRC2
DRC3

ENT Exit

ENT
►
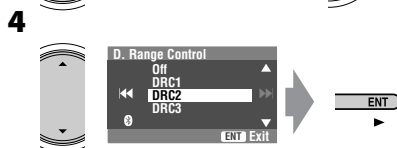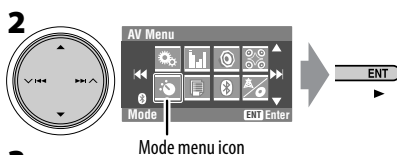
• As the number increases, the effect becomes stronger.

42

Manual presetting

You can preset six DAB services (primary) for each band.

1

BAND ●
■ / BACK
→ DAB1 → DAB2 → DAB3
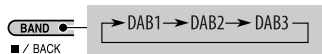
2 **Search for a service you want to preset.**

∨ |◄◄   ►►| ∧

3

[Hold]

DAB1	Store	ENT
1 Service Label	▲
2 No Serv.	
|◄◄ 3 FFH	►►|
4 No Serv.	
⑧ 5 HRS	▼
6 HRH	ENT

• Preset List can also be accessed through <**AV Menu**> → <**List**> (☞ right).

4 **Select a preset number.**

DAB1	Store	ENT
0 Service Label	▲
2 No Serv.	
|◄◄ 3 FFH	►►|
4 No Serv.	
⑧ 5 HRS	▼
6 HRH	ENT

5

ENT
►
[Hold]

| DAB | ▲▲▲▲ | FLAT |
| DAB1 ▶Preset4 ☆↻ ▼▼ |
| Bayern ▼▼ |
| Bayern2 |
| ⑧ |
| DRC | AF | ANN | 15: 45 |

Selecting preset stations

On the remote:

1

→ DAB1 → DAB2 → DAB3

2

1   2   3
4   5 ° 6

On the unit:

1

BAND ●
■ / BACK
→ DAB1 → DAB2 → DAB3

2

DAB1	Store	ENT
1 Service Label	▲
2 No Serv.	
|◄◄ 3 FFH	►►|
4 Bayern2	
⑧ 5 HRS	▼
6 HRH	ENT
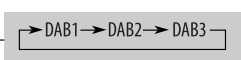
[Hold]

3 **Select a preset service.**

DAB1	Store	ENT
0 Service Label	▲
2 No Serv.	
|◄◄ 3 FFH	►►|
4 Bayern2	
⑧ 5 HRS	▼
6 HRH	ENT

ENT
►

• Preset List can also be accessed through <**AV Menu**> → <**List**>.

AV MENU

| AV Menu |
| Setup | ENT Enter |

ENT
►

| AV Menu |
| List | ENT Enter |
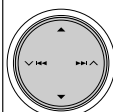
List menu icon

Activating/deactivating TA/PTY Standby Reception

• Operations are exactly the same as explained on page 13 for FM RDS stations.
• You cannot store PTY codes separately for the DAB tuner and for the FM tuner.

43

Activating/deactivating Announcement Standby Reception

Announcement Standby Reception allows the unit to switch temporarily to your favorite service (announcement type).

Announcement Standby Reception	Indicator
Activate <**AV Menu**>, then select <**Mode**>, <**Announce Standby**> (☞ below).	**ANN**
The unit will temporarily switch to your favorite service from any source other than FM/AM.	Lights up
Not yet activated. Tune in to another service providing the related signals.	Flashes
To deactivate, select <**Off**> in step **4**, then press **ENT** once (☞ right).	Goes off

Activating Announcement Standby Reception

1

AV MENU

AV Menu
Setup   ENT Enter

2

ENT
►

AV Menu
Mode   ENT Enter

Mode menu icon

3

Mode
D. Range Control
Announce Standby
Pty Standby
Off

4

Announce Standby
Off
Transport News

5

Announce Standby
Transport News
Warning
News
Weather
Event
ENT Exit

6 Select an announcement type for Announcement Standby Reception.

Announce Standby
Transport News
Warning
News
Weather
Event
ENT Exit

ENT
►

Tracing the same programme— Alternative Frequency Reception (DAB AF)

• **While receiving a DAB service:**
  When driving in an area where a service cannot be received, this unit automatically tunes in to another ensemble or FM RDS station, broadcasting the same programme.

• **While receiving an FM RDS station:**
  When driving in an area where a DAB service is broadcasting the same programme as the FM RDS station, this unit automatically tunes in to the DAB service.

When shipped from the factory, Alternative Frequency Reception is activated.
To deactivate the Alternative Frequency Reception, ☞ pages 50 and 54.

Available announcement types:
Transport News, Warning, News, Weather, Event, Special Event, Radio Info, Sports News, Financial News.

44

Listening to the iPod/D. player

POWER⇒ON **1** Track no./Playing time ☞ page 48

2

|◀◀ ▶▶|:
Press: Select track
Hold: Reverse/forward search

JVC   SRC   AV MENU

D.PLAYER   FLAT

♪01   0:45:38

⊙ **Album Name**
♥ **Artist Name**
♪ **Track Title**

              15: 45

▲ ▼

- ▲ : Enter player's menu
- ▼ : Pause/stop playback
  - To resume, press again.
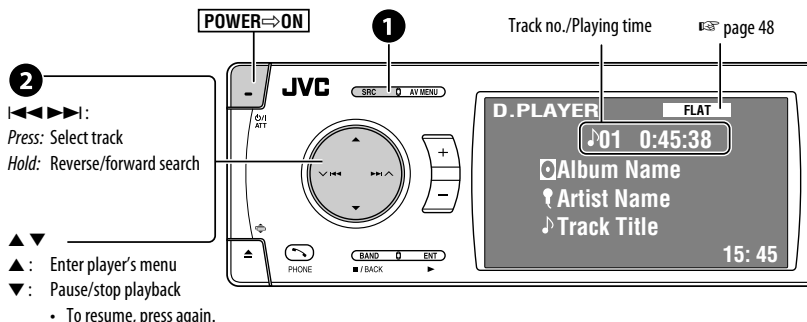
It is required to connect the interface adapter (KS-PD100 for Apple iPod or KS-PD500 for JVC D. player) to the CD changer jack on the rear.

Preparation:
Make sure <**iPod**> or <**D. Player**> is selected for the external input setting. (☞ page 55)

1 **Select "iPod" or "D. PLAYER."**

Playback starts automatically.

2 **Select a track.**

Selecting a track from the player's menu

1 **Enter the player's menu.**

- This mode will be canceled if no operations are done for about 5 seconds.

2 **Select the desired item.**

Press: Select an item
Hold: Skip 10 items at a time

For iPod:
Playlists ←→ Artists ←→ Albums ←→ Songs ←→ Genres ←→ Composers ←→ (back to the beginning)
For D. player:
Playlist ←→ Artist ←→ Album ←→ Genre ←→ Track ←→ (back to the beginning)

3 **Confirm the selection.**

4 **Repeat steps 2 and 3 to select a track.**

- When a track is selected finally, playback starts.
- To return to the previous menu...

Selecting playback modes

1 **Display <AV Menu>, then select <Mode> menu icon.**

2 **Enter <Mode>, then select <Repeat> or <Random>.**

3 **Select an appropriate option.**

Repeat	**One**: Functions the same as "Repeat One" or "Repeat Mode → One." **All**: Functions the same as "Repeat All" or "Repeat Mode → All."
Random	**Album**: Functions the same as "Shuffle Albums" of the iPod. **Song/On**: Functions the same as "Shuffle Songs" or "Random Play → On."

- When one of the playback modes is selected, the corresponding indicators light up on the monitor.

To cancel, select <**All Off**> in step **2** or <**Off**> in step **3**.

- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

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EXTERNAL DEVICES

Listening to other external components

AV-INPUT

You can connect an external component to the LINE IN/VIDEO IN plugs.
• You can also connect a Navigation System to the VIDEO IN plug so that you can watch the navigation screen (Make sure <**Navigation**> is selected for <**AV Input**>). (☞ page 55)

POWER⇨ON   **1**   Assigned title (☞ page 49)   ☞ page 48

AV-IN   FLAT

AV-INPUT

15: 45
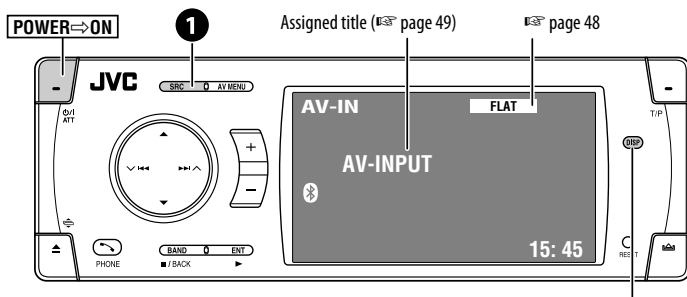
Press if no playback picture appears, but source information (this) screen is displayed.

1 **Select "AV-IN."**

2 **Turn on the connected component and start playing the source.**

• If you select <**Camera Mirror**> or <**Navigation**> for <**AV Input**> (☞ page 55), some status messages such as volume level change will not appear on the monitor while viewing the picture.

When <Navigation> is selected for <AV Input>...
• You can use the source "AV-IN" for listening to an audio source connected to the LINE IN plugs.
• While selecting other source, you can watch the navigation screen without changing the source. To watch the navigation screen, press **DISP** repeatedly.

EXT-INPUT

You can connect an external component to the CD changer jack on the rear using the Line Input Adapter—KS-U57 (not supplied) or AUX Input Adapter—KS-U58 (not supplied).
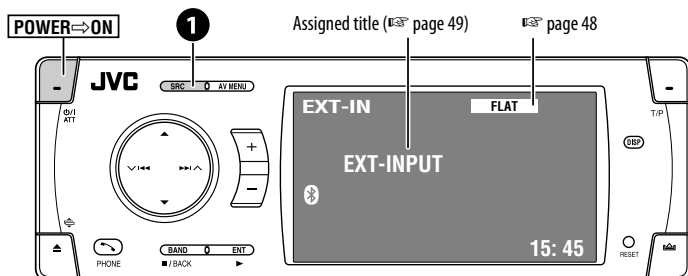
Preparation:
Make sure <**External Input**> is selected for the external input setting. (☞ page 55)

❶ **Select "EXT-IN."**

❷ **Turn on the connected component and start playing the source.**

EXTERNAL DEVICES

Sound equalization

POWER⇨ON

Edit

▲
+03
▼

◄◄ **60.0 Hz** ►► **ENT** Store

2 , **3**   **2** , **3**

Selecting sound mode

❶

AV MENU

AV Menu

Setup **ENT** Enter

❷

Equalizer menu icon

AV Menu

Equalizer **ENT** Enter

ENT
►

❸ **Select a sound mode.**

Equalizer
Flat
Hard Rock
R&B
Pop
Jazz
ENT Exit

ENT
►
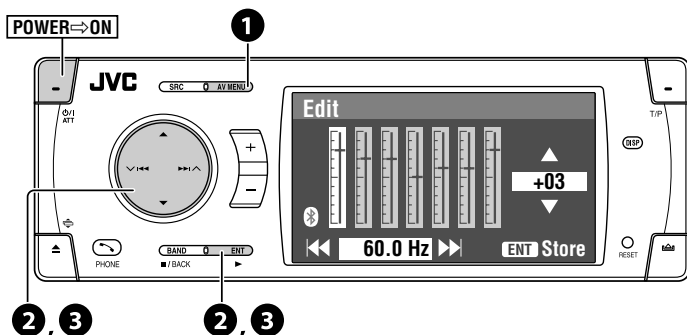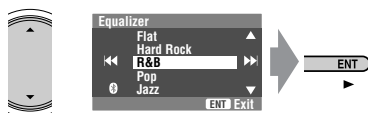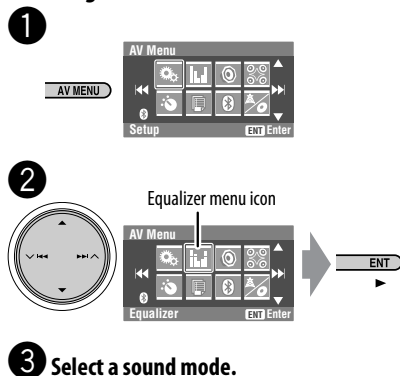
- For preset equalizing values of each sound mode,
  ☞ page 64.
- For multi-channel source, the sound mode is
  temporarily canceled.

Storing your own adjustment

You can store your adjustment into User1, User2, and User3.

1 Repeat steps ❶ and ❷, then in step ❸...

Equalizer
Flat
Hard Rock
R&B
Pop
Jazz
ENT Exit

Edit

▲
+03
▼

◄◄ **60.0 Hz** ►► **ENT** Store

2 Adjust.

ENT
►

3 Store.

User Store
User1
User2
User3

ENT Store

ENT
►

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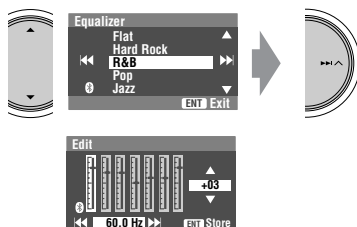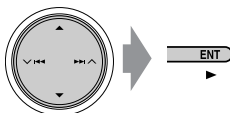
Assigning titles to the sources

Press: Change character set
Hold: Erase title

POWER⇒ON

JVC   SRC   AV MENU   T/P
(DISP)

Title Entry
AV-In Name
▲
|◀◀ **MY BEST** ▶▶|
▼
DISP A→a→0→Á→á   ENT Store

❶ ❷

❷, ❸   ❷, ❹
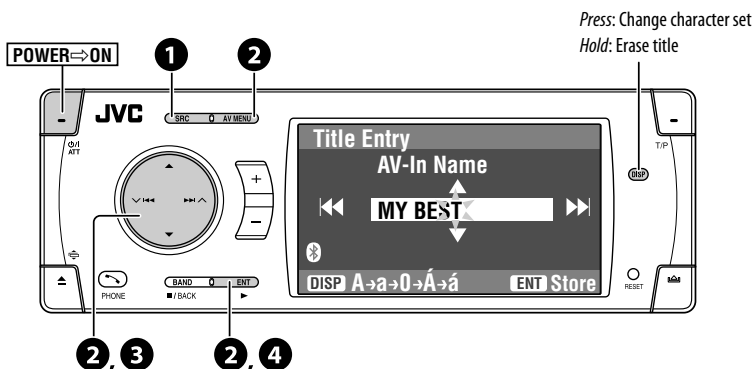
You can assign titles to "AV-IN" and "EXT-IN."
Ex.: Assigning title to "AV-IN"

❶ **Select "AV-IN."**

❷ **Display the title entry screen.**

1

AV MENU

AV Menu
|◀◀   ▶▶|
Setup   ENT Enter

2

AV Menu
|◀◀   ▶▶|
Mode   ENT Enter

Mode menu icon   ENT ►

Mode
Title Entry ▲
|◀◀   ▶▶|
▼

Title Entry
AV-In Name
|◀◀ **AV-INPUT** ▶▶|
DISP A→a→0→Á→á   ENT Store

---
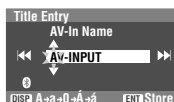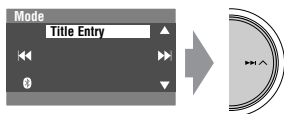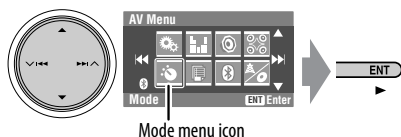
❸ **Assign a title.**

1 Select a character, then move the entering position.

▲
▼   ▶▶|∧
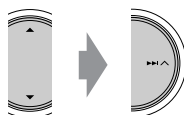
- To change the character set, press **DISP**.
  (For available characters, ☞ page 65.)

2 Repeat step 1 until you finish entering the title.
- The maximum number of characters is 16.

❹ **Finish the procedure.**

ENT ►

SETTINGS

Menu operations

POWER⇨ON

Setup   Equalizer   Sound   Disc Surround

JVC   SRC   AV MENU

AV Menu

Setup   **ENT Enter**

2, 3, 4   2, 4   Mode   List   Bluetooth   Dual Zone

Ex. Changing the <**High Pass Filter**> setting

1

AV MENU

AV Menu

Setup   **ENT Enter**

Non-available items will be displayed being shaded.

2

Sound menu icon

AV Menu

Sound   **ENT Enter**

ENT
►

3

Sound
Fader/Balance
Volume Adjust
Subwoofer
High Pass Filter
Crossover
Through

• For some items, repeat this steps to set the sub-items.

4

High Pass Filter
Through
On
ENT Exit

ENT
►

◼ Menu items

AV MENU

AV Menu

Setup   **ENT Enter**

• The display indications may change according to change of the specifications.

⚙	**Setup**
📊	**Equalizer**
🔊	**Sound**
🎛	**Disc Surround**
🎚	**Mode**
📋	**List**
🅱	**Bluetooth**
🔀	**Dual Zone**

ENT
►

| Display |
| Clock |
| Disc Setup 1 |
| Disc Setup 2 |
| Tuner |
| Input |
| Others |

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⚙ Setup

ENGLISH

Menu items	Selectable settings, [reference page]
Demonstration	**Off** : Cancels. **On** : Activates the demonstration on the monitor.
Wall Paper	You can select the background picture of the monitor. **Future-Blue**, **Future-Green**, **Wave-Blue**, **Wave-Green**, **Wave-Pink**, **Metal-A**, **Metal-B**, **Ball-A**, **Ball-B**, **Ball-C**, **Dolphin**, **Simple-Red**, **Simple-Purple**, **Simple-Blue**, **Simple-Gray**
Scroll	**Off** : Cancels. **Once** : Scrolls the disc information once. **Auto** : Repeats scrolling (5-second intervals). • Holding **DISP** (on the unit) scrolls the information regardless of this setting.
Tag Display	**Off** : Cancels. **On** : Shows the Tag data while playing MP3/WMA/WAV/AAC tracks.
Dimmer	**Off** : Cancels. **On** : Activates dimmer. **Auto** : Dims the monitor when you turn on the headlights.*[1] **Time Set** : Press **ENT** (or ▶▶|) to display the time setting screen, then set the Dimmer On/Off times.
Bright	You can adjust brightness of the monitor. **−15** (darkest) to **+15** (brightest); Initial **00**
Picture Adjust*[2]	You can adjust the following to make the monitor clear and legible for watching the playback picture. The setting will be stored for "DISC/USB," and "AV-IN." **−15** to **+15**; Initial **0** **Bright** : Adjust if the picture is too bright or too dark. **Contrast** : Adjust the contrast. **Color** : Adjust the color of the picture—lighter or darker. **Tint** : Adjust the tint if the human skin color is unnatural.

The left side of the table is labeled **Display**.

*[1] *The ILLUMINATION CONTROL lead connection is required.* (☞ *Installation/Connection Manual*)

*[2] *Adjustable only when the source is a disc or USB containing pictures or movies, or "AV-IN."*

51
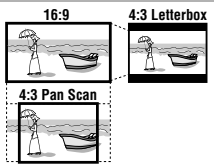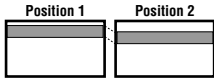
SETTINGS

Menu items	Selectable settings, [reference page]		

| **Display** | **Aspect***3 | You can change the aspect ratio of the picture. | | |

			Aspect ratio of incoming signal	
			4:3	**16:9**
		<u>**Full**</u> : For 16:9 original pictures	⬭	⬭
		Auto :	• For "DISC": Aspect ratio is automatically selected to match to the incoming signals. • For the other video sources: Aspect ratio is fixed to <**Regular**>.	
		Regular : For 4:3 original pictures	⬭	⬭
	Language*4	Select the indication language shown on the monitor. **English**, **Spanish**, **French**, **German**, **Italian**, **Dutch**, **Swedish**, **Danish**, **Russian**		

Clock	**Time Set**	Initial **0:00**, ☞ [6]		
	12Hours/24Hours	**12 Hours**, **24 Hours**, ☞ [6]		
	OSD Clock	**Off**, **On**, ☞ [6]		
	Clock Adjust	**Off**, **Auto**, ☞ [6]		

Disc Setup 1*5	**Menu Language**	Select the initial disc menu language; Initial **English** (☞ also page 65).		
	Audio Language	Select the initial audio language; Initial **English** (☞ also page 65).		
	Subtitle	Select the initial subtitle language or erase the subtitle (<**Off**>);Initial **English** (☞ also page 65).		
	OSD Language	Select the on-screen language used for the external monitor connected to the VIDEO OUT plug; Initial **English**.		

*3 *Not adjustable for audio sources.*

*4 *After you change the indication language setting, turn off then on the power so that your setting takes effect.*

*5 *Selectable only for "DISC" and "USB." (Playback stops when you select one of the items.)*

	Menu items	Selectable settings, [reference page]
Disc Setup 1[*5]	**Monitor Type** 16:9 4:3 Letterbox 4:3 Pan Scan	Select the monitor type to watch a wide screen picture on the external monitor. **16:9** : Select when the aspect ratio of the external monitor is 16:9. **4:3 Letterbox/4:3 Pan Scan** : Select when the aspect ratio of the external monitor is 4:3. Refer to the illustrations on the left to see how the pictures are shown on the monitor.
	OSD Position Position 1 Position 2	Select the position of the on-screen bar, ☞ [27]. **1** : Higher position **2** : Lower position
	File Type	Select playback file type when a disc/USB contains different types of files. You can store this setting separately for each source —"DISC/USB." **Audio** : Plays back audio files. **Still Picture** : Plays back JPEG files. **Video** : Plays back DivX/MPEG1/MPEG2 files.
	DivX Regist. (Registration)	This unit has its own Registration Code. Once you have played back a file with which the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.
Disc Setup 2	**D. (Dynamic) Range Compres. (Compression)**[*5]	You can enjoy a powerful sound at a low volume level while playing Dolby Digital software. **Auto** : Select to apply the effect to multi-channel encoded software. **On** : Select to always use this function.
	Speaker Size[*5] Select the speaker Adjust the speaker size	You can adjust the speaker size setting. • **Front SPK : Small, Large** • **Center SPK : None, Small, Large** • **Rear SPK : None, Small, Large** • **Subwoofer : On, Off** • Speaker size : <**Large**> for 13 cm diameter or more; <**Small**> for 13 cm or less. • Front speakers and rear speakers cannot be adjusted separately the left and right. **Regardless of the setting above...** • No sound comes out of the subwoofer while playing Dolby Pro Logic II Movie or Music if the front speaker is set to <**Large**>. • No sound comes out of the center speaker when surround is deactivated.

[*5] *Selectable only for "DISC" and "USB." (Playback stops when you select one of the items.)*

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SETTINGS

Menu items	Selectable settings, [reference page]

Disc Setup 2

Speaker Level

Select the speaker

Adjust the speaker level

You can adjust the output level of the activated speakers (☞ <**Speaker Size**> on page 53), monitoring the test tone.
Front Lch/Center Ch/Front Rch/Rear Rch/Subwoofer*6/**Rear Lch**
: adjust the output level of each speaker in the range of **–10dB** to **+10dB**; Initial **0dB**.

• Press and hold **ENT** to turn on and off the test tone.

Speaker Distance*7

Select the speaker

Adjust the speaker distance

You can adjust the speaker output timing.
Front Lch/Center Ch/Front Rch/Rear Rch/Rear Lch : adjust the speaker distance from the listening position in the range of **15cm/6 inches** to **600 cm/240 inches** in 15 cm/6 inch step; Initial **120 cm/48 inch** (for center speaker), **150 cm/60 inch** (for other speakers).

• Press and hold **DISP** to change the measuring unit—**cm** and **inch**.

Tuner

AF Regional	When the received signals from the current station become weak... **Off** : Cancels—not selectable when <**DAB AF**> is set to <**On**>. **AF Regional** : Switches to another station broadcasting the same programme. The REG indicator lights up. **AF** : Switches to another station. The programme may differ from the one currently received (AF indicator lights up), ☞ [14].
TA Volume	**00** to **30** or **50***8, Initial **15**, ☞ [13].
Program Search	**Off**, **On**, ☞ [14]
IF Band Width	**Auto** : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) **Wide** : Subject to the interference from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
DAB AF*9	**Off**, **On**, ☞ [44]

*6 *This subwoofer level setting takes effect only when surround is activated. (☞ also page 24, 25)*
*7 *This setting does not take effect for MPEG1/MPEG2 and DivX with MP3 audio track.*
*8 *Depends on the amplifier gain control. (☞ page 56)*
*9 *Appears only when DAB tuner is connected.*

Menu items	Selectable settings, [reference page]
Input	
AV Input	You can determine the use of LINE IN and VIDEO IN plugs. **Off** : Select when no component is connected ("AV-IN" is skipped while selecting the source). **Audio&Video** : Select when connecting an AV component such as a VCR. **Audio** : Select when connecting an audio component such as a digital audio player. **Camera***10: Select when connecting the rear view camera. **Camera Mirror***10: The mirror image of the rear view is displayed on the monitor. (The monitor on the unit only; the normal rear view appears on the external monitor.) **Navigation** : Select when connecting a Navigation System. ☞ [46]
External Input*11	For connecting an external component to the CD changer jack on the rear. **Changer/iPod/D. Player***12: CD changer, iPod, or D. player ☞ [40, 45] **External Input** : Any other than the above. ☞ [47] • For connecting the DAB tuner, this setting is not required. It is automatically detected.
Others	
Beep	**Off** : Cancels. **On** : Activates the key-touch tone.
Telephone Muting*13	**Off** : Cancels. **Muting1**, **Muting2** : Select either one which mutes the sounds while using the cellular phone.
Initialize	Initialize all settings you have made in <**AV Menu**>. Press **ENT**, then reset the unit. (☞ page 3)

*10 *Reverse lamp lead connection is required. See Installation/Connection Manual (separate volume). The rear view through the camera appears on the monitor in "Full" aspect ratio (regardless of the aspect ratio setting) when you shift the gear to the reverse (R) position.*

*11 *Not selectable when the component connected to the CD changer jack is selected as the source.*

*12 *The name of the component detected through the CD changer jack is shown.*

*13 *The TEL MUTING lead connection is required. See Installation/Connection Manual (separate volume).*

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SETTINGS

▯▯▯ Equalizer

Flat/**Hard Rock**/**R&B**/**Pop**/**Jazz**/**Dance**/**Country**/**Reggae**/**Classic**/**User1**/**User2**/**User3**, ☞ [48]

◉ Sound

Menu items	Selectable settings, [reference page]
Fader/Balance Adjusts fader Adjust balance	Adjust fader—speaker output balance between the front and rear speakers. • Upmost—front only • Downmost—rear only When using a two-speaker system, set the fader to the center (**00**). Adjust balance—speaker output balance between the left and right speakers. • Leftmost—left only • Rightmost—right only
Volume Adjust	Adjust and store auto-adjustment volume level for each source, comparing to the FM volume level. The volume level will automatically increase or decrease when you change the source. **–12** to **+12**; Initial **00**
Subwoofer*14	Adjust the settings below in the submenu: **Phase** : Subwoofer phase. Select either <**Normal**> or <**Reverse**>, which reproduces a better sound. **Level** : Subwoofer output level. Level: **–06** to **+08**; Initial **00**
High Pass Filter	**Through** : Select when the subwoofer is not connected. **On** : Select when the subwoofer is connected.
Crossover	Adjust the crossover frequency between the front/rear speakers and the subwoofer. **80Hz**, **120Hz**, **150Hz**
Amplifier Gain	You can change the maximum volume level of this unit. **Off** : Deactivates the built-in amplifier. **Low Power** : VOL 00 to 30 (Select this if the maximum power of the speakers is less than 50 W.) **High Power** : VOL 00 to 50
Rear Speaker*15	You can activate/deactivate the rear speakers. **Off**, **On**

*14 *This subwoofer level setting takes effect only when surround is deactivated. (☞ also page 24, 25)*
*15 *This setting takes effect only when Dual Zone is activated. (☞ also page 28)*

Disc Surround*[16]

Menu items	Selectable settings, [reference page]
Surround Off	Select to deactivate the surround function.
Surround On	Select to activate the surround function. ☞ [24] **Auto**, **Through**, **Dolby PLII Movie**, **Dolby PLII Music** • When you select Dolby PLII Music, you can adjust <**Panorama**> and <**Center Width**>.*[17]

*[16] Selectable only for "DISC" and "USB."
*[17] This setting takes effect only when the center speaker is activated.

Mode*[18]

Menu items	Selectable settings, [reference page]
Mono	Only for FM. (**Off**, **On**), ☞ [10]
DX/Local	Only for FM. (**DX**, **Local**), ☞ [11]
SSM	Only for FM. ☞ [11]
PTy Standby	Only for FM/DAB. (**Off**, **News**), ☞ [13, 43] • When you activate PTY Standby Reception, you can change the PTY code for PTY Standby Reception.
Title Entry	Only for AV-IN and EXT-IN. ☞ [49]
All Off/Intro/Repeat/Random	Only for disc/USB playback and iPod/D. player. ☞ [19, 32, 41, 45]
D.(Dynamic) Range Control	Only for DAB. (**Off**, **DRC1**, **DRC2**, **DRC3**), ☞ [42]
Announce Standby	Only for DAB. (**Off**, **Transport News**), ☞ [44]

*[18] Items listed under <**Mode**> vary among the playback sources.

List

The accessible lists differ depending on the sources. ☞ [12, 20, 39, 41]

SETTINGS

✴ **Bluetooth**[19]

Menu items	Selectable settings, [reference page]
Dial Menu	Only for the device connected for "Bluetooth Phone." Select the method to make a call. ☞ [37]
Message	Only for the device connected for "Bluetooth Phone."[20] You can read a message from the following message histories. **Unread** : Messages you have not read. **Read** : Messages you have read. **Unsent** : Messages you have not sent. **Sent** : Messages you have sent. • The number of messages in each history is also shown on the monitor.
Open	☞ [34]
Search	☞ [34]
Special Device	Only for "NEW DEVICE." Shows the list of Bluetooth devices which require some special procedure to establish Bluetooth connection. Select a device you want to connect. • After selecting the device, use <**Open**> or <**Search**> (☞ page 34) for connection. • Once the connection is established, it is registered in the unit. You can connect the unit and the device by using <**Connect**> (☞below) from the next time.
Connect	Only for the registered devices. After selecting a device from among the registered devices (☞ page 35, 39), establish the connection with it.
Disconnect	Only for the device being connected. Disconnect the current device before connecting another device.
Delete Pair	Only for the registered devices. Delete the registered devices.

[19] *Selectable only for " Bluetooth Phone" or "Bluetooth Audio. " Select a device (or "NEW DEVICE") before operating the menu.*
[20] *Selectable only when the device is compatible with SMS.*

When operating the Bluetooth device, refer also to the instructions supplied with the device.

Menu items	Selectable settings, [reference page]
Auto Connect*[21]	When the unit is turned on, the connection is established automatically with... **Off** : No Bluetoothdevice. **Last** : The last connected Bluetooth device. **Order** : The available registered Bluetooth device found at first.
Auto Answer*[22]	**Off** : The unit does not answer the calls automatically. Answer the calls manually. **On** : The unit answers the incoming calls automatically. **Reject** : The unit rejects all incoming calls.
Message Info*[22]	**Auto** : The unit informs you of the arrival of a message by ringing and displaying "Receiving Message." To read the message, press **ENT** (☞ page 37). **Manual** : The unit does not inform you the arrival of a message.
MIC Setting*[22]	Adjust microphone volume connected to the unit. **01, 02, 03**
Version*[23]	The Bluetooth software and hardware versions are shown.

*[21] Selectable only for "Bluetooth Phone."

*[22] Only for the device connected for "Bluetooth Phone." Not selectable for "NEW DEVICE".

*[23] If you wish to receive more information about Bluetooth, visit our JVC web site.

Dual Zone

Off, **On**, **On/Surround On**, ☞ [28]

Maintenance

ENGLISH

■ How to clean the connector

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.

Connector
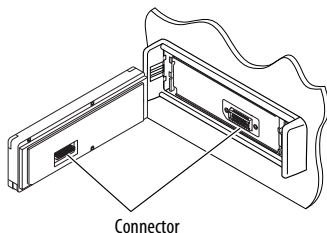
■ Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:
• After starting the heater in the car.
• If it becomes very humid inside the car.
Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

■ How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

Center holder

• Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).
• Make sure to store discs into the cases after use.

■ To keep discs clean

A dirty disc may not play correctly.
If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

• Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

■ To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Warped disc

Sticker — Sticker residue

Stick-on label

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More about this unit

■ **General**

Turning on the power

- By pressing **SRC** (source) on the unit, you can also turn on the power. If the source is ready, playback starts.

■ **FM/AM**

Storing stations in memory

- When SSM is over, received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).

■ **Disc**

General

- In this manual, words "track" and "file" are interchangeably used.
- This unit can also play back 8 cm discs.
- This unit can only play back audio CD (CD-DA) files if different type of audio files (MP3/WMA/WAV/AAC) are recorded in the same disc.
- This unit can display only one-byte characters. No other characters can be correctly displayed.

Inserting a disc

- When a disc is inserted upside down or has no playable files, "Cannot play this disc Check the disc" appears on the monitor. Eject the disc.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc playback starts.)

Changing the source

- If you change the source, playback also stops without ejecting the disc.
  Next time you select "DISC" for the playback source, disc play starts from where it stopped previously.

Playing Recordable/Rewritable discs

- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- Use only "finalized" discs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- This unit can recognize a total 25 characters for file/folder names.
- Some discs or files may not be played back due to their characteristics or recording conditions.

Playing DVD Audio

- Some DVD Audios prohibit downmix. When you play back such a disc, "LR ONLY" appears on the display and the unit plays back the left front and right front signals.
- "MULTI CH" appears on the monitor after a beep when you try to play a multi-channel disc with Surround turned <**Off**>.

Playing DVD-VR

- This unit cannot play back CPRM (Content Protection for Recordable Media) protected files.
- For details about DVD-VR format and play list, refer to the instructions supplied with the recording equipment.

■ **File playback**

Playing DivX files

- This unit can play back DivX files with the extension code <.divx>, <.div>, <.avi> (regardless of the letter case—upper/lower).
- This unit supports the DivX files whose resolution is 720 x 576 pixels or less.
- This unit supports DivX 6.x, 5.x, 4.x, and 3.11.
- Audio stream should conform to MP3 or Dolby Digital.
- The file encoded in the interlaced scanning mode may not be played back correctly.
- The maximum bit rate for video signals (average) is as follows:
  – DVD: 4 Mbps
  – USB: 2 Mbps

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Playing MPEG1/MPEG2 files

- This unit can play back MPEG1/MPEG2 files with the extension code <.mpg>, <.mpeg>, or <.mod>*.
  * <.mod> is an extension code used for the MPEG2 files recorded by JVC Everio camcorders.
- The stream format should conform to MPEG system/program stream.
- The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
- Audio streams should conform to MPEG1 Audio Layer-2 or Dolby Digital.
- The maximum bit rate for video signals (average) is as follows:
  – DVD: 4 Mbps
  – USB: 2 Mbps

Playing JPEG files

- This unit can play back JPEG files with the extension code <.jpg>, or <.jpeg>.
- It is recommended that you record a file at 640 x 480 resolution.
- This unit can play back baseline JPEG files. Progressive JPEG files or lossless JPEG files cannot be played.

Playing MP3/WMA/WAV/AAC files

- This unit can play back files with the extension code <.mp3>, <.wma>, <.wav>, or <.m4a> (regardless of the letter case—upper/lower).
- This unit can play back the files meeting the conditions below:
  – Bit rate:
    MP3/WMA: 32 kbps — 320 kbps
    AAC: 16 kbps — 320 kbps
  – Sampling frequency:
    48 kHz, 44.1 kHz, 32 kHz (for MPEG1)
    24 kHz, 22.05 kHz, 16 kHz (for MPEG2)
    48 kHz, 44.1 kHz, 32 kHz, 22.05 kHz (for WMA)
    44.1 kHz (for WAV)
    48 kHz, 44.1 kHz (for AAC)

- This unit can show ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3). This unit can also show WAV/WMA/AAC Tag.
- This unit can play back files recorded in VBR (variable bit rate).
  Files recorded in VBR have a discrepancy in elapsed time indication.
- This unit cannot play back the following files:
  – MP3 files encoded with MP3i and MP3 PRO format.
  – MP3 files encoded with Layer 1/2.
  – WMA files encoded with lossless, professional, and voice format.
  – WMA files which are not based upon Windows Media® Audio.
  – WMA/AAC files copy-protected with DRM.
  – AAC files purchased from the iTunes store.
  – Files which have the data such as AIFF, ATRAC3, etc.

Enjoying surround sounds

- If <**Surround On**> is selected, "MULTI" surround playback automatically starts for multi-channel encoded discs regardless of the <**Surround On**> setting.
- You cannot activate surround for MPEG multi-channel DVD Video, DivX 2-channel and MPEG 2-channel sources. If <**Surround On**> is selected, stereo sounds are emitted only through the front speakers. "FRONT 2CH" appears on the source information screen.
- When "FIX" appears on the source information screen, no sound comes out of the subwoofer.
- When <**AUTO**> is selected, downsampling is performed for DVD Video (LPCM only), DVD-VR (LPCM only), and DVD Audio with fs=88.2 kHz/96 kHz and higher.

■ USB

- If "No USB device" appears after removing a device, Reattach a device or select another playback source.
- When the USB device has no playable files, or has not been formatted correctly, "Cannot play this device Check the device" appears on the monitor.
- The unit cannot recognize a USB device whose rating is other than 5 V and does not exceed 500 mA.
- While playing from a USB device, the playback order may differ from other players.
- This unit may be unable to play back some USB devices or some files due to their characteristics or recording conditions.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- When connecting a USB device, refer also to its instructions.
- Connect only one USB device to the unit at a time. Do not use a USB hub.
- This unit may not recognize a USB device connected through a USB card reader.
- This unit may not play back files in a USB device properly when using a USB extension cord.
- This unit cannot assure proper functions or supply power to all types of the devices.
- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- This unit can recognize a total 25 characters for file/folder names.

■ Bluetooth operations

General

- While driving, do not perform complicated operation such as dialling the numbers, using phone book, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting condition may vary depending on circumstances around you.
- When the unit is turned off, the device is disconnected.

Warning messages for Bluetooth operations

- **Connection Error** : The device is registered but the connection has failed. Use <**Connect**> to connect the device again. (☞ page 35)
- **Error** : Try the operation again. If "Error" appears again, check if the device supports the function you have tried.
- **Device Unfound** : No available Bluetooth device is detected by <**Search**>.
- **Loading** : The unit is updating the phone book and/or SMS.
- **Please Wait...** : The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit).

Icons for phone types

- These icons indicate the phone type set on the device.

  - : Cellular phone
  - : Household phone
  - : Office
  - : General
  - : Other than above

■ DAB tuner

- Only the primary DAB service can be preset even when you store a secondary service.

■ iPod/D. player operations

- When you turn on this unit, the iPod or D. player is charged through the adapter connected to this unit.
- The text information may not be displayed correctly. This unit can display up to 40 characters.

REFERENCES

Notice:

When operating an iPod or a D. player, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:

For iPod users: <http://www.jvc.co.jp/english/car/support/ks-pd100/index.html>

For D. player users: <http://www.jvc.co.jp/english/car/support/ks-pd500/index.html>

Menu settings

- If you change the <**Amplifier Gain**> setting from <**High Power**> to <**Low Power**> while the volume level is set higher than "30," the unit automatically changes the volume level to "VOL 30."
- After you change any of <**Menu Language**/**Audio Language**/**Subtitle**> settings, turn off then on the power, and re-insert the disc (or insert another disc) so that your setting takes effect.
- When you select <**16:9**> for a picture whose aspect ratio is 4:3, the picture slightly changes due to the process for converting the picture width.
- Even if <**4:3 Pan Scan**> is selected, the screen size may become <**4:3 Letterbox**> for some discs.

About sounds reproduced through the rear terminals

- Speaker out/analog discrete output—LINE OUT (FRONT/REAR)/CENTER OUT/SUBWOOFER: Multi-channel signals are emitted for a multi-channel encoded software. (When Dual Zone is activated, the same signal emitted through 2nd AUDIO OUT plugs are emitted for the main source "DISC.")
- 2nd AUDIO OUT: 2-channel signal is emitted when Dual Zone is activated. When playing a multi-channel encoded disc, multi-channel signals are downmixed (except for some DVD Audio).

- "DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation registered in the US, Japan and other countries.
- DivX, DivX Ultra Certified, and associated logos are trademarks of DivX, inc. and are used under license.
- Official DivX® Ultra Certified product
- Plays all versions of DivX® video (including DivX® 6) with enhanced playback of DivX® media files and the DivX® Media Format
- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- iPod and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.

Preset equalizing values

Sound mode \ Frequency	60 Hz	150 Hz	400 Hz	1 kHz	2.5 kHz	6.3 kHz	15 kHz
Flat	00	00	00	00	00	00	00
Hard Rock	+03	+03	+01	00	00	+02	+01
R&B	+03	+02	+02	00	+01	+01	+03
Pop	00	+02	00	00	+01	+01	+02
Jazz	+03	+02	+01	+01	+01	+03	+02
Dance	+04	+02	00	−02	−01	+01	+01
Country	+02	+01	00	00	00	+01	+02
Reggae	+03	00	00	+01	+02	+02	+03
Classic	+02	+03	+01	00	00	+02	00
User1/2/3	00	00	00	00	00	00	00

■ Language codes (for DVD/DivX language selection)

Code	Language	Code	Language	Code	Language	Code	Language	Code	Language
AA	Afar	FA	Persian	KL	Greenlandic	OC	Occitan	ST	Sesotho
AB	Abkhazian	FI	Finnish	KM	Cambodian	OM	(Afan) Oromo	SU	Sundanese
AF	Afrikaans	FJ	Fiji	KN	Kannada	OR	Oriya	SW	Swahili
AM	Ameharic	FO	Faroese	KO	Korean (KOR)	PA	Panjabi	TA	Tamil
AR	Arabic	FY	Frisian	KS	Kashmiri	PL	Polish	TE	Telugu
AS	Assamese	GA	Irish	KU	Kurdish	PS	Pashto, Pushto	TG	Tajik
AY	Aymara	GD	Scots Gaelic	KY	Kirghiz	PT	Portuguese	TH	Thai
AZ	Azerbaijani	GL	Galician	LA	Latin	QU	Quechua	TI	Tigrinya
BA	Bashkir	GN	Guarani	LN	Lingala	RM	Rhaeto-Romance	TK	Turkmen
BE	Byelorussian	GU	Gujarati	LO	Laothian	RN	Kirundi	TL	Tagalog
BG	Bulgarian	HA	Hausa	LT	Lithuanian	RO	Rumanian	TN	Setswana
BH	Bihari	HI	Hindi	LV	Latvian, Lettish	RW	Kinyarwanda	TO	Tonga
BI	Bislama	HR	Croatian	MG	Malagasy	SA	Sanskrit	TR	Turkish
BN	Bengali, Bangla	HU	Hungarian	MI	Maori	SD	Sindhi	TS	Tsonga
BO	Tibetan	HY	Armenian	MK	Macedonian	SG	Sangho	TT	Tatar
BR	Breton	IA	Interlingua	ML	Malayalam	SH	Serbo-Croatian	TW	Twi
CA	Catalan	IE	Interlingue	MN	Mongolian	SI	Singhalese	UK	Ukrainian
CO	Corsican	IK	Inupiak	MO	Moldavian	SK	Slovak	UR	Urdu
CS	Czech	IN	Indonesian	MR	Marathi	SL	Slovenian	UZ	Uzbek
CY	Welsh	IS	Icelandic	MS	Malay (MAY)	SM	Samoan	VI	Vietnamese
DZ	Bhutani	IW	Hebrew	MT	Maltese	SN	Shona	VO	Volapuk
EL	Greek	JI	Yiddish	MY	Burmese	SO	Somali	WO	Wolof
EO	Esperanto	JW	Javanese	NA	Nauru	SQ	Albanian	XH	Xhosa
ET	Estonian	KA	Georgian	NE	Nepali	SR	Serbian	YO	Yoruba
EU	Basque	KK	Kazakh	NO	Norwegian	SS	Siswati	ZU	Zulu

■ Characters shown on the monitor

In addition to the roman alphabet (A – Z, a – z), the following characters will be used to show the various information on the monitor.

• You can also use the following characters to assign titles. (☞ page 49)

Á	À	Â	Ä	Ã
Å	Æ	Œ	Č	Ć
Ç	É	È	Ê	Ë
Ğ	Í	Ì	Î	Ï
Ñ	Ó	Ò	Ô	Ö
Õ	Ø	Ř	Ŕ	Š
Ś	Ş	Ú	Ù	Û
Ü	Ý	Ž	Ź	ß
Þ	Ŋ	Đ	Ŧ	Ł
İ	Ų	ð	space	

á	à	â	ä	ã
å	æ	œ	č	ć
ç	é	è	ê	ë
ě	ğ	í	ì	î
ï	ñ	ň	ń	ó
ò	ô	ö	õ	ø
ő	ř	ŕ	š	ś
ş	ú	ù	û	ü
ű	ŵ	ý	ŷ	ž
ź	ÿ	þ	ŋ	đ
ŧ	ľ	ı	ij	space

Upper and lower cases

0	1	2	3	4
5	6	7	8	9
!	"	#	$	%
&	'	(	)	＊
+	,	—	.	/
:	;	<	=	>
?	@	_	`	¡
¿	£	€	α	space

Numbers and symbols

REFERENCES

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
General	• No sound comes out of the center speaker.	• Center speaker is not activated. (☞ page 53) Once you have reset the unit, make sure to activate the speaker again. • Center speaker is used only for surround playback. No sound comes out for stereo playback.
	• The monitor is not clear and legible.	Sunshine from the windscreen may cause this symptom. Adjust <**Bright**>. (☞ page 51)
	• The unit does not work at all.	Reset the unit. (☞ page 3)
	• The remote controller does not work.	Deactivate Dual Zone. (☞ page 28) (While Dual Zone is activated, the remote controller only functions for operating the DVD/CD player.)
	• "No Signal" appears.	• Change the source. • Start the playback on the external component connected to VIDEO IN plug. • Check the cords and connections. • Signal input is too weak.
	• "Mecha Error Push Reset" appears on the monitor, and the panel does not move.	Reset the unit. (☞ page 3)
FM/AM	• SSM automatic presetting does not work.	Store stations manually. (☞ page 11)
	• Static noise while listening to the radio.	Connect the aerial firmly.
Disc playback	• Disc can be neither recognized nor played .	Eject the disc forcibly. (☞ page 3)
	• Disc cannot be ejected.	Unlock the disc. (☞ page 20)
	• Recordable/Rewritable discs cannot be played back. • Tracks on the Recordable/Rewritable discs cannot be skipped.	• Insert a finalized disc. • Finalize the discs with the component which you used for recording.
	• Playback does not start.	• Insert the disc correctly again. • Region code of the DVD is not correct. (☞ page 4) • The format of files is not supported by the unit.
	• The playback picture is not clear and legible.	Adjust items in <**Picture Adjust**>. (☞ page 51)
	• Sound and pictures are sometimes interrupted or distorted.	• Stop playback while driving on rough roads. • Change the disc.

	Symptoms	Remedies/Causes
Disc playback	• No playback picture appears on the monitor.	Parking brake lead is not connected properly. (☞ Installation/Connection Manual)
	• No picture appears on the external monitor.	• Connect the video cord correctly. • Select the correct input on the external monitor.
	• "Eject Error" or "Loading Error" appears on the monitor.	Changing the source by pressing SOURCE will solve this error.
File playback	• Disc cannot be played back.	• Change the disc. • Record the tracks using a compliant application in the appropriate discs. (☞ page 4) • Add appropriate extension codes to the file names.
	• Noise is generated.	The track played back is not a playable file format. Skip to another file.
	• Tracks are not played back as you have intended them to play.	Playback order may differs from the one played back using other players.
	• Elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded.
	• "Not Support" appears on the monitor and track skips.	The track is unplayable.
USB playback	• Noise is generated.	• The track played back is not a playable file format (MP3/WMA/WAV/AAC). Skip to another file. • Do not add the extension code <.mp3>, <.wma>, <.wav>or <.m4a> to non-MP3/WMA/WAV/AAC tracks.
	• Tracks cannot play back as you have intended them to play.	Playback order may differs from the one played back using other players.
	• "Now Reading" keeps flashing on the monitor.	• Readout time varies depending on the USB device. • Do not use too many hierarchy, folders and empty folders.* * *Folder that is physically empty or folder that contains data but does not contain valid MP3/WMA/WAV/AAC track.* • Turn off the power then on again. • Do not pull out or connect the USB device repeatedly while "Now Reading" is displayed on the monitor.
	• Correct characters are not displayed (e.g. album name).	For available characters, ☞ page 65.
	• While playing a track, sound is sometimes interrupted.	The tracks have not been properly copied into the USB device. Copy tracks again into the USB device, and try again.

REFERENCES

	Symptoms	Remedies/Causes
Bluetooth	• Bluetooth device does not detect the unit.	This unit can be connected with one Bluetooth cellular phone and one Bluetooth audio device at a time. While connecting a device, this unit cannot be detected from another device. Disconnect currently connected device and search again.
	• The unit does not detect the Bluetooth device.	• Check the Bluetooth setting of the device. • Search from the Bluetooth device. After the device detects the unit, select <**Open**> on the unit to connect the device. (☞ page 34)
	• The unit does not make pairing with the Bluetooth device.	• Enter the same PIN code for both the unit and target device. If the PIN code of the device is not indicated on its instructions, try "0000" or "1234." • Select the device name from <**Special Device**>, then try to connect again. (☞ page 35)
	• Echo or noise occurs.	Adjust the microphone unit position.
	• Phone sound quality is poor.	• Reduce the distance between the unit and the Bluetooth audio device. • Move the car to place where you can get a better signal reception.
	• The sound is interrupted or skipped during playback of a Bluetooth audio device.	• Reduce the distance between the unit and the Bluetooth audio device. • Disconnect the device connected for "Bluetooth phone." • Turn off, then turn on the unit. • (When the sound is not yet restored,) connect the device again.
	• "New Device" cannot be selected for "Bluetooth Audio."	Bluetooth audio device is being connected. To select "New Device," disconnect it. (☞ page 35)
	• The connected audio device cannot be controlled.	Check whether the connected audio device supports AVRCP (Audio Video Remote Control Profile).
CD changer	• "No Disc" appears on the monitor.	Insert a disc into the magazine.
	• "No Magazine" appears on the monitor.	Insert the magazine.
	• "Cannot play this disc Check the disc" appears on the monitor.	Disc does not include playable files. Replace the disc with playable files.
	• "Reset 08" appears on the monitor.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	• "Reset 01" – "Reset 07" appears on the monitor.	Press the reset button of the CD changer.
	• The CD changer does not work at all.	Reset the unit. (☞ page 3)

	Symptoms	Remedies/Causes
DAB tuner	• "No DAB Signal" appears on the monitor.	Move to an area with stronger signals.
	• "Reset 08" appears on the monitor.	Connect this unit and the DAB tuner correctly, then reset the unit. (☞ page 3)
	• The DAB tuner does not work at all.	Connect this unit and the DAB tuner correctly, then reset the unit. (☞ page 3)
	• "Antenna Power NG" appears on the monitor.	Check the cords and connections.
iPod/D. player playback	• The iPod/D. player does not turn on or does not work.	• Check the connecting cable and its connection. • Charge the battery. • For D. player: Update the firmware version.
	• The sound is distorted.	Deactivate the equalizer either on this unit or the iPod/D. player.
	• "Disconnect" appears on the monitor.	Check the connecting cable and its connection.
	• For iPod: Playback stops.	The headphones are disconnected during playback. Restart playback.
	• No sound can be heard. • "Error 01" appears on the monitor when connecting a D. player.	Disconnect the D. player from the adapter. Then, connect them again.
	• "No Files" or "No Track" appears on the monitor.	No tracks are stored. Import tracks to the iPod or D. player.
	• "Reset 01" – "Reset 07" appears on the monitor.	Disconnect the adapter from both this unit and iPod/D. player. Then, connect them again.
	• "Reset 08" appears on the monitor.	Check the connection between the adapter and this unit.
	• The iPod's or D. player's controls do not work after disconnecting from this unit.	Reset the iPod or D. player.
AV-IN	• No picture appears on the monitor.	• Turn on the video component if it is not on. • This unit is not connected to the video component correctly. Connect it correctly.
	• The playback picture is not clear and legible.	Adjust items in <**Picture Adjust**>. (☞ page 51)

REFERENCES

Specifications

AMPLIFIER	Maximum Power Output:	Front/Rear:	50 W per channel
	Continuous Power Output (RMS):	Front/Rear:	20 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion
	Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
	Equalizer Control Range:	Frequencies:	60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 15 kHz
		Level:	±10 dB
	Signal-to-Noise Ratio:		70 dB
	Audio Output Level LINE OUT (FRONT/REAR)/CENTER OUT/SUBWOOFER:	Line-Out Level/Impedance:	5.0 V/20 kΩ load (full scale)
		Output Impedance:	1 kΩ
	Color System:		PAL
	Video Output (composite):		1 Vp-p/75 Ω
	Other Terminals:	Input:	LINE IN, VIDEO IN, MIC IN, USB input terminal, Aerial input
		Output:	2nd AUDIO OUT, VIDEO OUT
		Others:	CD changer, OE REMOTE
FM/AM TUNER	Frequency Range:	FM:	87.5 MHz to 108.0 MHz
		AM:	(MW) 522 kHz to 1 620 kHz (LW) 144 kHz to 279 kHz
	FM Tuner:	Usable Sensitivity:	11.3 dBf (1.0 μV/75 Ω)
		50 dB Quieting Sensitivity:	16.3 dBf (1.8 μV/75 Ω)
		Alternate Channel Selectivity (400 kHz):	65 dB
		Frequency Response:	40 Hz to 15 000 Hz
		Stereo Separation:	35 dB
	MW Tuner:	Sensitivity/Selectivity:	20 μV/35 dB
	LW Tuner:	Sensitivity:	50 μV
DVD/CD	Signal Detection System:	Non-contact optical pickup (semiconductor laser)	
	Frequency Response:	DVD, fs=48 kHz:	16 Hz to 22 000 Hz
		DVD, fs=192 kHz:	16 Hz to 88 000 Hz
		VCD/CD:	16 Hz to 20 000 Hz
	Dynamic Range:		93 dB
	Signal-to-Noise Ratio:		95 dB
	Wow and Flutter:		Less than measurable limit

	Screen Size:	3.5 inch wide liquid crystal display	
MONITOR	Number of Pixel:	211 200 pixels: 960 (horizontal) × 220 (vertical)	
	Drive Method:	TFT (Thin Film Transistor) active matrix format	
	Color System:	PAL/NTSC	
	Aspect Ratio:	16:9 (wide)	
	Allowable Storage Temperature:		−10℃ to +60℃
	Allowable Operating Temperature:		0℃ to +40℃
USB	USB Standards:	USB 1.1	
	Data Transfer Rate	Full Speed: Maximum 12 Mbytes Low Speed: Maximum 1.5 Mbytes	
	Compatible Device:	Mass storage class	
	Compatible File System:	FAT 32/16/12	
	Max. Current:	Less than 500 mA/5 V	
BLUETOOTH	Version:	Bluetooth 1.2 certified	
	Output Power:	+4 dBm Max. (Power class 2)	
	Service Area:	Within 10 m	
	Profile:	HSP (Headset Profile) HFP (Hands-Free Profile) A2DP (Advanced Audio Distribution Profile) AVRCP (Audio/Video Remote Control Profile) SPP (Serial Port Profile) OPP (Object Push Profile)	
GENERAL	Power Requirement:	Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
	Grounding System:		Negative ground
	Allowable Operating Temperature:		0℃ to +40℃
	Dimensions (W × H × D):	Installation Size (approx.):	182 mm × 52 mm × 160 mm
		Panel Size (approx.):	188 mm × 58 mm × 12 mm
	Mass (approx.):		2.1 kg (excluding accessories)

Design and specifications are subject to change without notice.

Having TROUBLE with operation?
Please reset your unit
Refer to page of How to reset your unit

Dear Customer,
This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.
European representative of Victor Company of Japan, Limited is:
JVC Technology Centre Europe GmbH
Postfach 10 05 52
61145 Friedberg
Germany

JVC

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